INVITATION TO BID

Bid Invitation Number: 85-2013

Date of Issue: 07/11/2013

Sealed bids will be received in the office of the Division of Central Purchasing, 200 East Main Street, Lexington, Kentucky, until 2:00 PM, prevailing local time on 07/25/2013. Bids must be received by the above-mentioned date and time. Mailed bids should be sent to:

Division of Central Purchasing 200 East Main Street, Room 338 Lexington, KY 40507, (859) 258-3320

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.

All bids must have the company name and address, bid invitation number, and the commodity/service on the outside of the envelope.

outside of the envelope.					
	-	at: 150 E. Main St, Lexington, KY 40507 Bond Required: Yes X_No			
	1es <u>A</u> NoPerformance is a Bond (Personal checks and company checks				
	Commodity/Service				
	Soft Body Armor				
	See specifications				
	see specifications				
Bid Specifications	Check One: Met	Proposed Delivery:			
Exceptions to Bid S	Specifications. Exceptions shall	30 days after acceptance of bid.			
be itemized and atte	uched to bid proposal submitted.				
	Procurement Card Usag n-Fayette Urban County Government w ds and services and also to make payme	····			
Submitted by:	Galls LLC				
	1340 Russell Cave Ro	.			
	Lexington, Ky 40505 City, State & Zip				
Bid must be signed:	gre on bleme				
(original signature)	Signature of Authorized Company Representative – Title See M. Clements Representative's Name (Typed or printed)				
	Area Code - Phone - Extension	877 914 2557 Fax#			
	Clements - Joe Ggall E-Mail Address	s. Com			

The Affidavit in this bid must be completed before your firm can be considered for award of this contract.

AFFIDAVIT

Comes the Affiant, Joe Cle	ments, and after being first duly sworn
under penalty of perjury as follows:	
His/her name is	Clements and he/she is the representative of
Galls LLC	·
the entity submitting the bid (hereinafter referred t	o as "Bidder").
County Government at the time the bid is submitte "current" status in regard to those taxes and fees d 3. Bidder will obtain a Lexington if applicable, prior to award of the contract. 4. Bidder has authorized the Divis mentioned information with the Division of Rever taxes and/or fees are delinquent or that a business 5. Bidder has not knowingly viola the Commonwealth of Kentucky within the past fi will not violate any provision of the campaign fina 6. Bidder has not knowingly viola Fayette Urban County Government Code of Ordin	Fayette Urban County Government business license, and of Central Purchasing to verify the above-me and to disclose to the Urban County Council that license has not been obtained. In the analysis of the campaign finance laws of ve (5) years and the award of a contract to the Bidder ance laws of the Commonwealth. It does not be any provision of Chapter 25 of the Lexington-ances, known as "Ethics Act " owingly" for purposes of this Affidavit means, with y a statute or ordinance defining an offense, that a
Further, Affiant sayeth naught.	Jue M Cl
STATE OF Kentucky	
COUNTY OF Fagette	
The foregoing instrument was subscribed,	swom to and acknowledged before me
by Joe Clements	on this the 22 nd day
of July 2013	
by Joe Clements of July 2013 My Commission expires: 6/15/15	
	/ 2
NOT	FARY PUBLIC, STATE AT LARGE

Please refer to Section II. Bid Conditions, Item "U" prior to completing this form.

I. GREEN PROCUREMENT

A. ENERGY

The Lexington-Fayette Urban County Government is committed to protecting our environment and being fiscally responsible to our citizens.

The Lexington-Fayette Urban County Government mandates the use of Energy Star compliant products if they are available in the marketplace (go to www.Energystar.gov). If these products are available, but not submitted in your pricing, your bid will be rejected as non-compliant.

ENERGY STAR is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

Key Benefits

These products use 25 to 50% less energy Reduced energy costs without compromising quality or performance Reduced air pollution because fewer fossil fuels are burned Significant return on investment Extended product life and decreased maintenance

B. GREEN SEAL CERTIFIED PRODUCTS

The Lexington-Fayette Urban County Government is also committed to using other environmentally friendly products that do not negatively impact our environment. Green Seal is a non-profit organization devoted to environmental standard setting, product certification, and public education.

Go to <u>www.Greenseal.org</u> to find available certified products. These products will have a reduced impact on the environment and on human health. The products to be used must be preapproved by the LFUCG prior to commencement of any work in any LFUCG facility. If a Green Seal product is not available, the LFUCG must provide a signed waiver to use an alternate product. Please provide information on the Green Seal products being used with your bid response.

C. GREEN COMMUNITY

The Lexington-Fayette Urban County Government (LFUCG) serves as a principal, along with the University of Kentucky and Fayette County Public Schools, in the Bluegrass Partnership for a Green Community. The Purchasing Team component of the Partnership collaborates on economy of scale purchasing that promotes and enhances environmental initiatives. Specifically, when applicable, each principal is interested in obtaining best value products and/or services which promote environment initiatives via solicitations and awards from the other principals.

If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other principals of the Bluegrass Partnership for a Green Community (i.e. University of Kentucky and Fayette County Schools) if requested?

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Yes		No

II. Bid Conditions

- A. No bid may be withdrawn for a period of sixty (60) days after the date and time set for opening.
- B. No bid may be altered after the date and time set for opening. In the case of obvious errors, the Division of Central Purchasing may permit the withdrawal of a bid. The decision as to whether a bid may be withdrawn shall be that of the Division of Central Purchasing.
- C. Acceptance of this proposal shall be enactment of an Ordinance by the Urban County Council.
- D. The bidder agrees that the Urban County Government reserves the right to reject <u>any</u> and <u>all</u> bids for either fiscal or technical reasons, and to award each part of the bid separately or all parts to one vendor.
- E. Minor exceptions may not eliminate the bidder. The decision as to whether any exception is minor shall be entirely that of the head of the requisitioning Department or Division and the Director of the Division of Central Purchasing. The Urban County Government may waive technicalities and informalities where such waiver would best serve the interests of the Urban County Government.
- F. Manufacturer's catalogue numbers, trade names, etc., where shown herein are for descriptive purposes and are to guide the bidder in interpreting the standard of quality, design, and performance desired, and shall not be construed to exclude proposals based on furnishing other types of materials and/or services. However, any substitution or departure proposed by the bidder must be clearly noted and described; otherwise, it will be assumed that the bidder intends to supply items specifically mentioned in this Invitation for Bids.
- G. The Urban County Government may require demonstrations of the materials proposed herein prior to acceptance of this proposal.
- H. Bids must be submitted on this form and must be signed by the bidder or his authorized representative. Unsigned bids will not be considered.
- I. Bids must be submitted prior to the date and time indicated for opening. Bids submitted after this time will not be considered.
- J. All bids mailed must be marked on the face of the envelope:

"Bid on #85-2013 Soft Body Armor"

and addressed to: Division of Central Purchasing

200 East Main Street, Room 338 Lexington, Kentucky 40507

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.

- K. Bidder is requested to show both unit prices and lot prices. In the event of error, the unit price shall prevail.
- L. A Certified / Cashier's Check or Bid Bond in the amount of XX percent of the bid price must be attached hereto. This check must be made payable to the Lexington-Fayette Urban County Government, and will be returned when the material and/or services specified herein have been delivered in accordance with specifications. In the event of failure to perform within the time period set forth in this bid, it is agreed the certified / cashier's check may be cashed and the funds retained by the Lexington-Fayette Urban County Government as liquidated damages. Checks of unsuccessful

bidders will be returned when the bid has been awarded.

- M. The delivery dates specified by bidder may be a factor in the determination of the successful bidder.
- N. Tabulations of bids received may be mailed to bidders. Bidders requesting tabulations must enclose a stamped, self-addressed envelope with the bid.
- O. The Lexington-Fayette Urban County Government is exempt from Kentucky Sales Tax and Federal Excise Tax on materials purchased from this bid invitation. Materials purchased by the bidder for construction projects are not tax exempt and are the sole responsibility of the bidder.
- P. All material furnished hereunder must be in full compliance with OSHA regulations.
- Q. If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected.
- R. Signature on the face of this bid by the Bidder or his authorized representative shall be construed as acceptance of and compliance with all terms and conditions contained herein.
- S. The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, creed, national origin, sex or age, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.
- The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin;
- (2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;
- (3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section: and
- (4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.

The Act further provides:

KRS 45.610. Hiring minorities - Information required

(1) For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetable. (2) Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.

KRS 45.620. Action against contractor - Hiring of minority contractor or subcontractor

- (1) If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.
- (2) If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 to 45.640.
- (3) The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.

KRS 45.630 Termination of existing employee not required, when

Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that that employee was employed prior to the date of the contract.

KRS 45.640 Minimum skills

Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

It is recommended that all of the provisions above quoted to be included as <u>special conditions</u> in each contract. In the case of a contract exceeding \$250,000, the contractor is required to furnish evidence that his work-force in Kentucky is representative of the available work-force in the area from which he draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the contract.

U. Any party, firm or individual submitting a proposal pursuant to this invitation must be in compliance with the requirements of the Lexington-Fayette Urban County Government regarding taxes and fees before they can be considered for award of this invitation and must maintain a "current" status with regard to those taxes and fees throughout the term of the contract. The contractor must be in compliance with Chapter 13 from the Code of Ordinances of the Lexington-Fayette Urban County Government. The contractor must be in compliance with Ordinance 35-2000 pursuant to contractor registration with the Division of Building Inspection. If applicable, said business must have a Fayette County business license.

Pursuant to KRS 45A.343 and KRS 45A.345, the contractor shall

- (1) Reveal any final determination of a violation by the contractor within the previous five year period pursuant to KRS Chapters 136 (corporation and utility taxes). 139 (sales and use taxes), 141 (income taxes), 337 (wages and hours), 338 (occupational safety and health of employees), 341 (unemployment and compensation) and 342 (labor and human rights) that apply to the contractor; and
- (2) Be in continuous compliance with the above-mentioned KRS provisions that apply to the contractor for the duration of the contract.

A contractor's failure to reveal the above or to comply with such provisions for the duration of the contract shall be grounds for cancellation of the contract and disqualification of the contractor from eligibility for future contracts for a period of two (2) years.

V. Vendors who respond to this invitation have the right to file a notice of contention associated with the bid process or to file a notice of appeal of the recommendation made by the Director of Central Purchasing resulting from this invitation.

Notice of contention with the bid process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his/her contention with the bid process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Central Purchasing shall promptly respond in writing findings as to the compliance with bid processes. If, based on this review, a bid process irregularity is deemed to have occurred the Director of Central Purchasing will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a bid recommendation must be filed within 3 business days of the bid recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Central Purchasing shall in writing, affirm or withdraw the recommendation.

III. Procurement Contract Bid Conditions

A. The terms of this agreement shall be for <u>1</u> year(s) from the date of acceptance of this contract by the Lexington-Fayette Urban County Government. This agreement may be extended for an additional <u>1</u> year renewalupon the written agreement of the bidder and the Lexington-Fayette Urban County Government. Said agreement must be in writing and must be executed prior to the expiration of the current agreement.

B. Price Changes (Space Checked Applies)

- (XXX) 1. Prices quoted in response to the Invitation shall be firm prices for the first 90 days of the Procurement Contract. After the first 90 days, prices may be subject to revision and such changes shall be based on general industry changes. Revision may be either increases or decreases and may be requested by either party. There will be no more than one (1) price adjustment per quarter. Requests for price changes shall be received in writing at least twenty (20) days prior to the effective date and are subject to written acceptance before becoming effective. Proof of the validity of a request for revision shall be responsibility of the requesting party. The Lexington-Fayette Urban County Government shall receive the benefit of any decline that the seller shall offer his other accounts.
 - () 2. No provision for price change is made herein. Prices are to be firm for the term of this contract.
 - () 3. Procurement Level Contract
- C. If any contract item is not available from the vendor, the Lexington-Fayette Urban County Government, at its option, may permit the item to be back-ordered or may procure the item on the open market.
- D. All invoices must bear reference to the Lexington-Fayette Urban County Government Purchasing document numbers which are being billed.
- E. This contract may be canceled by either party thirty (30) days after delivery by canceling party of written notice of intent to cancel to the other contracting party.
- F. This contract may be canceled by the Lexington-Fayette Urban County Government if it is determined that the Bidder has failed to perform under the terms of this agreement, such cancellation to be effective upon receipt of written notice of cancellation by the Bidder.
- G. No substitutions for articles specified herein may be made without prior approval of the Division of Central Purchasing.

EQUAL OPPORTUNITY AGREEMENT

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:

The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

IWe agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.

Signature

Name of Business

GENERAL PROVISIONS OF BID CONTRACT

By signing the below, bidder acknowledges that it understands and agrees with the following provisions related to its bid response and the provision of any goods or services to LFUCG upon selection by LFUCG pursuant to the bid request:

- 1. Bidder shall comply with all Federal, State & Local regulations concerning this type of service or good.
- 2. Failure to submit ALL forms and information required by LFUCG may be grounds for disqualification.
- 3. Addenda: All addenda, if any, must be considered by the bidder in making its response, and such addenda shall be made a part of the requirements of the bid contract. Before submitting a bid response, it is incumbent upon bidder to be informed as to whether any addenda have been issued, and the failure of the bidder to cover any such addenda may result in disqualification of that response.
- 4. Bid Reservations: LFUCG reserves the right to reject any or all bid responses, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
- 5. Liability: LFUCG is not responsible for any cost incurred by bidder in the preparation of its response.
- 6. Changes/Alterations: Bidder may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the bid response, and received by LFUCG prior to the scheduled closing time for receipt of bids, will be accepted. The bid response when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of bid response".
- 7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from any bidder.
- 8. Bribery Clause: By his/her signature on its response, bidder certifies that no employee of his/hers, any affiliate or subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.
- 9. Additional Information: While not necessary, the bidder may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the bid response. Additional documentation shall not serve as a substitute for other documentation which is required by the LFUCG to be submitted with the bid response.
- Ambiguity, Conflict or other Errors: If a bidder discovers any ambiguity, conflict, discrepancy, omission or other error in the bid request of LFUCG, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
- Agreement to Bid Terms: In submitting its bid response, the bidder agrees that it has carefully examined the specifications and all provisions relating to LFUCG's bid request, including but not limited to the bid contract. By submission of its bid response, bidder states that it

understands the meaning, intent and requirements of LFUCG's bid request and agrees to the same. The successful bidder shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to bidder shall be authorized for services, expenses, or goods reasonably covered under these provisions that the bidder omits from its bid response.

- Cancellation: LFUCG may unilaterally terminate the bid contract with the selected bidder(s) at any time, with or without cause, by providing at least thirty (30) days advance written notice unless a different advance written notice period is negotiated prior to contract approval. Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.
- Assignment of Contract: The selected bidder(s) shall not assign or subcontract any portion of the bid contract with LFUCG without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
- 14. No Waiver: No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this bid proposal or bid contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
- Authority to do Business: Each bidder must be authorized to do business under the laws of the Commonwealth of Kentucky and must be in good standing and have full legal capacity to provide the goods or services specified in the bid proposal. Each bidder must have all necessary right and lawful authority to submit the bid response and enter into the bid contract for the full term hereof including any necessary corporate or other action authorizing the bidder to submit the bid response and enter into this bid contract. If requested, the bidder will provide LFUCG with a copy of a corporate resolution authorizing this action and/or a letter from an attorney confirming that the proposer is authorized to do business in the Commonwealth of Kentucky. All bid responses must be signed by a duly authorized officer, agent or employee of the bidder.
- Governing Law: This bid request and bid contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this matter, the bidder agrees that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division and that the bidder expressly consents to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to these matters or any rights or obligations arising thereunder.
- Ability to Meet Obligations: Bidder affirmatively states that there are no actions, suits or proceedings of any kind pending against bidder or, to the knowledge of the bidder, threatened against the bidder before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of bidder to perform its obligations under this bid response or bid contract, or which question the legality, validity or enforceability hereof or thereof.
- 18. Bidder understands and agrees that its employees, agents, or subcontractors are not

employees of LFUCG for any purpose whatsoever. Bidder is an independent contractor at all times related to the bid response or bid contract.

19. If any term or provision of this bid contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.

Je M bles Signature

Data

Date

Required Insurance Coverage

Vendor shall procure and maintain for the duration of this contract the following or equivalent insurance policies at no less than the limits shown below and cause its subcontractors to maintain similar insurance with limits acceptable to LFUCG in order to protect LFUCG against claims for injuries to persons or damages to property which may arise from or in connection with the provision of equipment or goods or the performance of the work or services hereunder by Vendor. The cost of such insurance shall be included in any bid:

Coverage	<u>Limits</u>
General Liability (Insurance Services Office Form CG 00 01)	\$1 million per occurrence, \$2 million aggregate or \$2 million combined single limit
Commercial Automobile Liability (Insurance Services Office Form CA 0001)	combined single, \$1 million per occurrence
Worker's Compensation	Statutory
Employer's Liability	\$500,000.00

The policies above shall contain the following conditions:

- a. All Certificates of Insurance forms used by the insurance carrier shall be properly filed and approved by the Department of Insurance for the Commonwealth of Kentucky. LFUCG shall be named as an additional insured in the General Liability Policy and Commercial Automobile Liability Policy using the Kentucky DOI approved forms.
- b. The General Liability Policy shall be primary to any insurance or self-insurance retained by LFUCG.
- c. The General Liability Policy shall include a Products Liability endorsement unless it is deemed not to apply by LFUCG.
- d. LFUCG shall be provided at least 30 days advance written notice via certified mail, return receipt requested, in the event any of the required policies are canceled or non-renewed.
- e. Said coverage shall be written by insurers acceptable to LFUCG and shall be in a form acceptable to LFUCG. Insurance placed with insurers with a rating classification of no less than Excellent (A or A-) and a financial size category of no less than VIII, as defined by the most current Best's Key Rating Guide shall be deemed automatically acceptable.

Renewals

After insurance has been approved by LFUCG, evidence of renewal of an expiring policy must be submitted to LFUCG, and may be submitted on a manually signed renewal endorsement form. If the policy or carrier has changed, however, new evidence of coverage must be submitted in accordance with these insurance Requirements.

RISK MANAGEMENT PROVISIONS INSURANCE AND INDEMNIFICATION

Bid #85-2013 - Soft Body Armor

INDEMNIFICATION AND HOLD HARMLESS PROVISION

- (1) It is understood and agreed by the parties that Vendor hereby assumes the entire responsibility and liability for any and all damages to persons or property caused by or resulting from or arising out of any act or omission on the part of Vendor or its employees, agents, servants, owners, principals, licensees, assigns or subcontractors of any tier (hereinafter "Vendor") under or in connection with this agreement and/or the provision of goods or services and the performance or failure to perform any work required thereby.
- Vendor shall indemnify, save, hold harmless and defend the Lexington-Fayette Urban County Government and its elected and appointed officials, employees, agents, volunteers, and successors in interest (hereinafter "LFUCG") from and against all liability, damages, and losses, including but not limited to, demands, claims, obligations, causes of action, judgments, penalties, fines, liens, costs, expenses, interest, defense costs and reasonable attorney's fees that are in any way incidental to or connected with, or that arise or are alleged to have arisen, directly or indirectly, from or by Vendor's performance or breach of the agreement and/or the provision of goods or services provided that: (a) it is attributable to personal injury, bodily injury, sickness, or death, or to injury to or destruction of property (including the loss of use resulting therefrom), or to or from the negligent acts, errors or omissions or willful misconduct of the Vendor; and (b) not caused solely by the active negligence or willful misconduct of LFUCG.
- (3) In the event LFUCG is alleged to be liable based upon the above, Vendor shall defend such allegations and shall bear all costs, fees and expenses of such defense, including but not limited to, all reasonable attorneys' fees and expenses, court costs, and expert witness fees and expenses, using attorneys approved in writing by LFUCG, which approval shall not be unreasonably withheld.
- (4) These provisions shall in no way be limited by any financial responsibility or insurance requirements, and shall survive the termination of this agreement.

FINANCIAL RESPONSIBILITY

BIDDER/VENDOR understands and agrees that it shall, prior to final acceptance of its bid and the commencement of any work, demonstrate the ability to assure compliance with the above Indemnity provisions and these other risk management provisions.

INSURANCE REQUIREMENTS

YOUR ATTENTION IS DIRECTED TO THE INSURANCE REQUIREMENTS BELOW, AAND YOU MAY NEED TO CONFER WITH YOUR INSURANCE AGENTS, BROKERS, OR CARRIERS TO DETERMINE IN ADVANCE OF SUBMISSION OF A RESPONSE THE AVAILABILITY OF THE INSURANCE COVERAGES AND ENDORSEMENTS REQUIRED HEREIN. IF YOU FAIL TO COMPLY WITH THE INSURANCE REQUIREMENTS BELOW, YOU MAY BE DISQUALIFIED FROM AWARD OF THE CONTRACT.

Deductibles and Self-Insured Programs

IF YOU INTEND TO SUBMIT A SELF-INSURANCE PLAN IT MUST BE FORWARDED TO LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT, DIVISION OF RISK MANAGEMENT, 200 EAST MAIN STREET, LEXINGTON, KENTUCKY 40507 NO LATER THAN A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO THE RESPONSE DATE. Self-insurance programs, deductibles, and self-insured retentions in insurance policies are subject to separate approval by Lexington-Fayette Urban County Government's Division of Risk Management, upon review of evidence of Vendor's financial capacity to respond to claims. Any such programs or retentions must provide LFUCG with at least the same protection from liability and defense of suits as would be afforded by first-dollar insurance coverage. If Vendor satisfies any portion of the insurance requirements through deductibles, self-insurance programs, or self-insured retentions, Vendor agrees to provide Lexington-Fayette Urban County Government, Division of Risk Management, the following data prior to the final acceptance of bid and the commencement of any work:

- a. Latest audited financial statement, including auditor's notes.
- Any records of any self-insured trust fund plan or policy and related accounting statements.
- c. Actuarial funding reports or retained losses.
- d. Risk Management Manual or a description of the self-insurance and risk management program.
- e. A claim loss run summary for the previous five (5) years.
- f. Self-Insured Associations will be considered.

Verification of Coverage

Vendor agrees to furnish LFUCG with all applicable Certificates of Insurance signed by a person authorized by the insurer to bind coverage on its behalf prior to final award, and if requested, shall provide LFUCG copies of all insurance policies, including all endorsements.

Right to Review, Audit and Inspect

Vendor understands and agrees that LFUCG may review, audit and inspect any and all of its records and operations to insure compliance with these Insurance Requirements.

DEFAULT

Vendor understands and agrees that the failure to comply with any of these insurance, safety, or loss control provisions shall constitute default and that LFUCG may elect at its option any single remedy or penalty or any combination of remedies and penalties, as available, including but not limited to purchasing insurance and charging Vendor for any such insurance premiums purchased, or suspending or terminating the work.

00389412

Lexington-Fayette Urban County Government Division of Police Soft Body Armor

The Lexington-Fayette Urban County Government is accepting bids to establish a price contract for the purchase of Soft Body Armor for the Division of Police, 150 East Main Street, Lexington, Kentucky, 40507, as per the following specifications:

This product specification details the style and quality of concealable soft body armor vests intended for use by male or female members of this agency. The vests shall be worn comfortably while being concealed under a shirt. All vests shall provide protection against labeled projectile penetration while reducing resultant blunt trauma and vest distortion to acceptable levels. The successful vendor shall be required to supply the individual vests with applicable options and colors as ordered for male or female personnel.

- The only acceptable model is the Point Blank Body Armor Model All-2 for males and the Point Blank Body Armor Model AllF for females meeting NIJ 0101.06 for Threat Level II. Bids based on body armor models made by manufacturers other than Point Blank Body Armor must be clearly identified as such, and bidders must include full product description, a complete bid sample, male and female, drawings and/or photographs, technical specifications.
- Where the apparent low bidder has proposed an alternate product, that bidder shall demonstrate product equivalency to the satisfaction of the department. Evidence of equivalency shall be presented for each requirement of this specification, and the burden of such equivalency in entirely on the vendor. Any bidder may be required, at any time during the procurement process, to provide documentation proving compliance with any or all the terms of this specification.
- Only body armor models, which have been tested by the National Institute of Justice (NIJ) National Law Enforcement & Corrections Technology Center (NLECTC), and found to comply with NIJ Standard 0101.06 <u>Ballistic Resistance of</u> <u>Body Armor</u> for Type II armor, shall be submitted under this specification. No exceptions.
- The winning bidder must provide delivery of the vest within 30 days of receipt of purchase order.

The body armor is intended to be standard issue armor. It is intended for routine daily wear as an undergarment. The soft body armor shall be designed to provide the following criteria:

- · Light and thin NIJ certified armor in Level II
- A high degree of concealment and comfort.
- Minimum restriction of motion or mobility.
- Optional carriers to allow for laundering and color changes.
- Provide resistance against the labeled projectiles in accordance with the NIJ Standard 0101.06.

- The ballistic panels of soft body armor meeting this specification shall provide thin, flexible, lightweight comfort utilizing high performance ballistic materials. The soft body armor shall be designed for regular daily wear as an undergarment. Therefore, vests shall be designed and constructed to provide (1) light and thin NIJ certified armor in Level II, (2) durability, (3) ease of cleaning, (4) minimum restriction of motion or mobility, and (5) the greatest amount of ballistic coverage consistent with comfort and concealment.
- The general configuration shall be the slipover vest type that covers the majority of the upper torso, including side coverage. Two removable/replaceable elastic Breathe-O-Prene® shoulder straps and four removable/replaceable elastic waist straps with hook and pile fasteners shall provide proper positioning and comfort. The entire vest perimeter shall be curved. No sharp corners or straight edges shall be allowed.
- The front ballistic panel shall cover the chest approximately up to the collar bone, have a scooped neck sufficient to maintain conceal ability when wearing an open collar shirt, extend downward to the waist but not far enough to "push up into the throat" when the wearer is seated, and extend around the sides to provide side protection. The biceps/chest region shall be cut with sufficient space to minimize irritation and restriction of arm movement during common duties such as the operation of motor vehicles. The outer shell carriers shall include front and rear 5" x 8" / 8" x 10" combination plate pockets designed to accommodate trauma, ballistic or blade inserts.
- The rear ballistic panel shall cover the back of the torso from just above the shoulder blades down to a position above the waist belt. In addition, unless otherwise stated, the maximum gap at each side shall be two inches.
- Female models shall be designed specifically for the female torso and shall have allowances for bust configuration.
- Panels shall be equipped with an integral self suspending ballistic system (SSBS). The SSBS must provide direct support to the ballistic panels to keep them sagging and creasing at the bottom of the carrier.

Each piece of soft body armor shall include the following:

- 1. One (1) set of ballistic panels.
- 2. Integral self suspending ballistic system (SSBS).
- 3. Removable 4 point 2" elastic waist straps (cummerbund)
- 4. Removable & Replaceable 2" elastic adjustable straps
- 5. Removable & Replaceable 4" elastic adjustable straps
- 6. Two (2) complete VISION™ SFT™ (Smart Fabric Technology) washable Carrier Systems with *ThorShield™* EMD, TASER® device resistant technology, navy in color.
- 7. Front and Rear 5" x 8" / 8" x 10" Combo pockets.
- 8. One (1) Trauma Reduction insert.

Options:

- 1. Additional **VISION™ SFT™** (Smart Fabric Technology™) Carrier System.
- 2. Additional **VISION™ SFT™** (Smart Fabric Technology™) Carrier System with Thor Shield technology.
- 3. Quilted outer carrier.
- 4. R20-D tactical outer carrier.
- 5. Additional removable & Replaceable Breathe-O-Prene® shoulder straps.

The successful vendor must be a recognized manufacturer/wholesaler/retailer, which can provide "LFUCG on-site" measurement, fitting and service during regular business hours. Monday through Friday. Subsequent alterations and fitting of both the ballistic armor and carriers to the officer shall be included free of charge for up to one year from the initial date of purchase. Any bidder which can not provide "on-site" service will be rejected.

All materials shall be new, unused and without flaws that affect appearance, durability and function. The ballistic panels shall be constructed of a matrix of Woven Para-Aramid fabric and Polyethylene UD. No other ballistic material shall be used.

As the department has selected these materials, any bids, which represent products manufactured from other materials, shall be rejected. Accordingly, all bidders shall include a letter from the manufacturer stating that the products being submitted for consideration are manufactured from 100% first quality Woven Para-Aramid fabric and Polyethylene UD.

All workmanship is to be of the highest quality. No defects that might impair the performance, "wearability" or durability of the vest will be allowed. The Lexington Fayette Urban County Division of Police shall have the sole right to determine if this and all other requirements have been met.

All vests, which are submitted, shall represent armor, which in layer count, is uniform throughout the ballistic panel. Accordingly, any ballistic panel, which is not uniform, in layer count, throughout the entire ballistic package, shall be rejected.

It is the intent of the agency to procure the lightest weight, best performing personal armor available in relation to Areal density, therefore, a vest section of 12" x 12" (one square foot), must not exceed 12.32 oz. (.77 lbs.) per square foot for NIJ level IIA. Sample weights are (+/- 5%).

V50 Performance

Each bidder shall submit V50 test reports for the vest being offered. The V50 test shall be performed in accordance with MIL-STD-662F using NIJ Standard 0101.06 test projectiles. The test must be performed by an independent laboratory approved by the National Institute of Justice (NIJ) National Law Enforcement & Corrections Technology Center (NLECTC) for testing in accordance with NIJ Standard 0101.06. The V 50 test shall be against clay backing. V 50 reports, which represent testing without clay backing, shall be rejected. Vendor shall provide written certification that all V 50 testing is accomplished with clay backing; failure to provide certification shall be cause for rejection. Test reports submitted by the bidder shall reflect the following minimum test results for a 12.32 oz. / .77 lbs per square foot test sample. Sample weights are (+/- 5%). Blunt trauma reduction is also an important aspect of armor design. Low back face signature (BFS) should result in reduced blunt trauma injury.

The following shall apply to male vests:

The following shall vests:

·	9mm	357 Mag
V50 (fps) New Armor	1677	1625
V50 (fps) Condition Armor	1647	1583
V50 (m/s) New Armor	511	495
V50(m/s) Condition Armor	502	483
BFS (mm)	33	37
BFS (in)	1.3	1.4
	<u>9mm</u>	<u>357 Mag</u>
V50 (fps) New Armor	1647	1626
V50 (fps) Condition Armor	1623	1623
	1	
V50 (m/s) New Armor	502	496
V50 (m/s) New Armor V50(m/s) Condition Armor	502 495	496 495
V50(m/s) Condition		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

apply to female

Bid submissions which do not meet this requirement will be rejected.

This department recognizes the importance of protecting the ballistic panel from exposure to environmental elements. Therefore, the ballistic cover material must be sealed by a sonic welding

process to prevent moisture intrusion at the seams. Also, the department is aware that high degrees of "moisture Vapor Transmission" (WVT) through the ballistic panel cover may allow moisture to migrate into the fibrous structure of the ballistic panel thus causing a reduction in ballistic performance. Therefore, potential bidders who offer ballistic panel covers that claim to "Breathe" or allow high levels of "Moisture Vapor Transmission" to pass through them will not be considered. This department will only consider armor systems that incorporate a Ballistic Panel Barrier System. The Barrier System must exhibit a high degree of water repellency and resistance to MVT. The Barrier system will have a water repellant treatment on its exposed surface that resists moisture and staining. In addition, the Barrier System will incorporate a Nano-Technology, Anti-Microbial/Anti-Fungal treatment that inhibits the growth of mold and bacteria. The interior of the Barrier System will incorporate an all weather film laminate technology to further enhance resistance to moisture migration and MVT. This department will only accept offers from potential suppliers who can provide laboratory test reports indicating that the ballistic panel Barrier System being offered provides the following minimum protection on a per lot basis:

Characteristic	Requirement	Test Method
Determination of resistance to water penetration - Hydrostatic pressure test (mm)	> 10,000	ISO-811
Water Vapor Transmission (gms/sq mtr / 24 hrs)	< 550	ASTM E96 D (inverted)
Wet-flex after 24 hours	No delamination	BWW -24H
Resistance to water penetration after exposure to diesel fuel (psi)	>90 <u>1/</u>	ASTM D751
Resistance to water penetration after exposure to sea water (psi)	>100 <u>1/</u>	ASTM D751
Resistance to water penetration after exposure to alcohol (psi)	>100 <u>1/</u>	ASTM D751

^{**} Each fabric shall be completely submerged in particular fluid for a period of 24 hours and line-dried.

VEST OUTER CARRIER MATERIAL Removable Carrier- VISION SFT Removable Carrier- VISION

The machine washable carrier shall be removable from the ballistic panels for laundering. The carrier systems body side fabric shall consist of smooth fit micro-fiber with Outlast® nanotechnology micro-encapsulated phase change temperatures regulation and Anti-Microbial bacteria, mold and mildew deterrent To eliminate uncomfortable body side seams and bulges, there shall be no zippers or hook & loop closures against the body. The exterior of the outershell will utilize microfiber with a low-torso horizontal zipper for improved insertion and removal of the ballistic panel cover. Low profile loop will be used for strap attachment points to reduce bunching and pulling of the uniform shirt. The interior of the carrier at the shoulders shall have a strip of low profile hook to allow attachment to the internal suspension (straps) of the ballistic panel via tabs of hook. This enables the wearer to utilize separate external shoulder straps. In addition, the carrier shall be designed so that it can accommodate the Self Suspending Ballistic System (SSBS). No substitutes will be accepted. The outer shell carriers shall include front and rear 5" x 8" / 8" x 10" combination plate pockets designed to accommodate trauma, ballistic or blade inserts.

Carrier shall be manufactured from a dimensionally stable first quality material with less than 5% shrinkage. The outer side of the carrier shall be manufactured from first quality microfiber, and

have a Soil Resistant Finish (SRF) as well as a durable water-repellent (DWR) coating. All fabrics shall have no visible fabric or color flaws.

Label material shall withstand normal wear and cleaning and remain readable during the entire warranted life of the armor or carrier.

All soft body armor shall be labeled in strict adherence to the labeling requirement set forth in NIJ Standard 0101.06 Requirements. The ballistic panel labeling shall include, but not be limited to the following:

- 1. Name of Manufacturer
- 2. Level of Protection
- 3. NIJ 0101.06
- 4. Date of Manufacture
- 5. Date Issue
- 6. Size
- 7. Serial Number
- 8. Model of Vest
- 9. Manufacture Location
- 10. Care Instructions
- 11. Warranty Period

Each unit of soft body armor delivered shall have an individual serial number. Each soft body armor vest shall be traceable to its original ballistic material lot number and ballistic material mill roll number. Additionally the soft body armor serial number shall be traceable to an incoming material lot test and ballistic panel lay-up lot test.

All soft body armor shall be packaged and shipped consistent with good commercial practices. Shipping Cartons: The soft body armor shall be packed into suitable corrugated cardboard box. The box shall allow for normal shipping without damage to the soft body armor.

The following documents, certifications, test-reports and samples must be included with the vendor's bid. Where one manufacturer is bidding through multiple vendors, the manufacturer may submit the appropriate paperwork on behalf of all vendors. Failure to submit the following shall be cause for rejection:

- 1. Models made by manufacturers other than Point Blank Body Armor must be clearly identified and shall include the following:
 - a. Full product description.
 - b. Complete bid sample, male and female.
 - c. Drawings and/or photographs.
 - d. Technical specifications.
- Manufacturers bidding direct must include a service proposal as to how measuring, alterations and customer service will be maintained without local distribution.
- 3. NIJ 0101.06.Certification and test reports from an accredited laboratory for the vest being certified.
- 4. V50 test reports performed in accordance with MIL-STD-662F. V50 testing must be accomplished with clay backing. V50 test reports must be submitted for the

ballistic package for both NIJ calibers for that class.

- 5. Quality Control Procedures
 - a. Incoming materials
 - b. Lay-up configuration
 - c. In-process configuration
 - d. Testing verification
 - e. Inspection of ballistic panel stitching
 - f. Random final product inspection and continuous in-process surveillance
 - g. Quality Assurance training and indoctrination
- 6. Product Liability Insurance providing a minimum coverage of \$10,000,000.
- 7. Documentation stating the coverage and limitations of the 5-year ballistic package warranty.
- 8. Documentation stating the coverage and limitations of the 24-month outer-shell cover warranty.

PRICING FOR POINT BLANK VEST:

Each vest set shall contain:

- 1. One (1) set of ballistic panels.
- 2. Integral self suspending ballistic system (SSBS).
- 3. Removable 4 point 2" elastic waist straps (cummerbund)
- 4. Removable & Replaceable 2" elastic adjustable straps
- 5. Removable & Replaceable 4" elastic adjustable straps
- 6. Two (2) complete VISION™ SFT™ (Smart Fabric Technology) washable Carrier Systems with *ThorShield™* EMD. TASER® device resistant technology, navy in color
- 7. Front and Rear 5" x 8" / 8" x 10" Combo pockets.
- 8. One (1) Trauma Reduction insert

Quantity of	Male	Female
0 – 15	\$ 708.00	\$ 708.00
16 – 25	\$ 708.00	\$ 708.00
26 – 50	\$ 708.00	\$ 708.00
51 – 100	\$ 708.00	\$ 708.00
101 +	\$ 708.00	\$ 708.00

ADDITONAL PRICING FOR ACCESSORIES:

Accessory	Quantity of 0-15 _k ,	Quantity of 16-25	Quantity of 26-50	Quantity of 51-100	Quantity of 100+
Additional VISION™ SFT™ (Smart Fabric Technology™) Carrier System.			\$ 98,58	\$ 98,50	\$ 98.50
Additional VISION™ SFT™ (Smart Fabric Technology™) Carrier System with ThorShield technology	\$ 116.00	\$ 116.00	\$	\$ 116.00	\$ 116.00
Removable & Replaceable 6 point 2" elastic adjustable straps	\$ 12.75	\$ 12.75	\$ 12,75	\$ 12.75	\$ 12.75
Removable & Replaceable 4 point 4" elastic adjustable straps	\$ 12.75	\$ 12.75	\$ 12.75	\$ 12.75	\$ 12,75
Removable & Replaceable 4" Elastic Cummerbund	\$ 18.00	\$ 18,00	\$ 18,00	\$ 18,00	\$ 18.00
Quilted outer carrier	\$ 92.00	\$ 92.00	\$ 92.00	\$ 92.00	\$ 92.00
R20-D tactical outer carrier	\$91.25	\$91,25	\$91.25	\$91.25	\$91.25
Additional removable & Replaceable Breathe-O-Prene® shoulder straps	\$ 12.75	\$ 12.75	\$ 12.75	\$ 12.75	\$ 12.75

SPECIAL NOTES TO BIDDERS:

- Bidders shall indicate if accessories are included with vest or provide additional pricing above.
- Bid prices shall be applicable for all Division of Police officers. (This would require contract vendor to sell items to individual officers at the contract price.)
- For questions regarding these specifications, contact Lt. Mike Wright, Division of Police at 859-258-3653. For bidding questions, contact Theresa Maynard, Buyer Senior, Division of Central Purchasing at 859-258-3320 or at theresam@lexingtonky.gov.
- * The pricing above is for those items to be purchased individually.
- * The package price is inclusive of items 1-8 on the previous page.
 - Adam Hall Galls, LLC.

Atlantic Business Center 2102 SW 2nd Street Pompano Beach, FL 33069



Warranty

THIS WARRANTY IS EXPRESSLY IN LIEU OF OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND OTHER WARRANTIES ARISING FROM A COURSE OF DEALING, USAGE OR TRADE. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, THAT EXTEND BEYOND THE WARRANTY PERIOD SET FORTH HEREIN.

The warranty herein shall be void if the product has been altered, abused, or misused, stored improperly or not cleaned in accordance with cleaning instructions.

The ballistic elements are warranted to be of the same construction and design as the original N.I.J. certified model listed on the label. The design of the bullet resistant elements of this system have been tested and certified by the National Institute of Justice and passed the compliance requirements of NIJ 2005 for the level stated on the ballistic label. These bullet resistant elements are **warranted for five years from date of purchase** to be free from manufacturing defects. Upon timely notice, Point Blank will repair or replace any vest / plate in which, after examination by Point Blank, Point Blank determines there is a manufacturing defect.

The ballistic elements of this system are bullet resistant, and will reduce the possibility of serious physical injury to the wearer in the areas covered by the ballistic elements. There is NO protection where there is no ballistic element. **When worn**, the ballistic element is warranted to be bullet resistant for the life of the warranty under normal wear conditions and proper maintenance. **There should be no expectation of bullet resistance in areas not covered by the ballistic element.** The ballistic element is not warranted to be bulletproof.

This warranty does not cover and is void as to:

- Any ballistic element that has been altered or modified in any way other than Point Blank authorized factory alterations.
- Any ballistic element not in a Point Blank outer shell carrier.
- Damage as a result of abuse or misuse.
- Damage as a result of improper storage or maintenance.
- Penetrations as a result of ballistic testing.
- The results of any specific ballistic testing.
- Injury as a result of bullets or other projectiles not impacting the ballistic element.

The outer shell carrier is warranted to be free from manufacturing defects for 24 months from the date of purchase.

The above warranty is the only warranty in effect on this product, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, THAT ARE IN EFFECT.



LX SERIES BALLISTIC SYSTEMS LEVEL II MALE AII-2

Revision: 06/29/2012

Level II – AII-2 weight is 0.73 (+/- 5%) pounds per square foot. Thickness is .19 inches.

Protection Level Specifications

Threat 1 - Low Caliber

Model / Test ID #	Cert Size (C1-C5)		9mm s / mps)	Conditioned 9mm v50 (fps / mps)		New 9mm v50 (fps / mps)		Lumm Vall (tac (Certification Date	BERRY (Yes / No)
All-2	C1	1677	511	1647	502	33	1.299	32	1.26	03/22/2012	
eul*£	C5	10//	011	1047	302	30	1.181	26	1.02	1 0312212012	Υ

Threat 2 - High Caliber

Model / Test ID #	Cert Size (C1-C5)	New 357 Sig v50 (fps / mps)	Conditioned 357Sig v50 (fps / mps)	New 357 Sig v50 (fps / mps)	Conditioned 357Sig v50 (fps / mps)	Certification Date	BERRY (Yes / No)
All-2	C1	1625 495	1583 483	37 1.46	36 1.42	03/22/2012	Y
All*£	C5	1625 495	1583 483	34 1.34	33 1.3	0312212012	

Ballistic Panel Materials

All materials shall be new, unused and without flaws that affect appearance, durability and function. The ballistic panels shall be constructed of a matrix of Woven Aramid fabric, polyethylene UD and Woven Felt fabric. No other ballistic material shall be used.

As the department has selected these materials, any bids, which represent products manufactured from other materials, shall be rejected. Accordingly, all bidders shall include a letter from the manufacturer stating that the products being submitted for consideration are manufactured from 100% first quality ballistic materials.

Ballistic Panel Cover Material

Each ballistic panel shall be covered in 100% weldable nylon 210D double wall rip stop with TPU coating.

Panel Construction

All submitted vests have uniform layer count throughout the entire ballistic panel; if not, the vest shall be rejected.

Printed: 7/24/2013



LX SERIES BALLISTIC SYSTEMS LEVEL II FEMALE AIIF-2

Revision: 06/29/2012

Level II - AIIF-2 weight is 0.73 (+/- 5%) pounds per square foot. Thickness is .19 inches.

Protection Level Specifications

Threat 1 - Low Caliber

Model / Test ID #	Cert Size (C1-C5)	New 3 v50 (fps	357 Sig s / mps)	Conditioned 357Sig v50 (fps / mps)		NOW TO /SIA		Conditioned 357Sig BFS (mm / ln)		Certification Date	BERRY (Yes / No)
AllF-2	C1	1643	501	1603	489	33	1.299	30	1.18	03/19/2012	
Aur*2	C5	1043	501	1003	409	30	1.81	26	1.02	03/19/2012	Y

Threat 2 - High Caliber

Model / Test ID #	Cert Size (C1-C5)	44 mag v50 (fps / mps)	Conditioned 44 mag v50 (fps / mps	New 44 mag BFS (mm/fps)	44 mag BFS (mm / ln)	Certification Date	BERRY (Yes / No)
AllF-2	C1	4592 402	1579 481	37 1.46	36 1.42	03/19/2012	Y
Aur-2	C5	1583 483	1579 481	31 1.22	33 1.3	03/19/2012	

Ballistic Panel Materials

All materials shall be new, unused and without flaws that affect appearance, durability and function. The ballistic panels shall be constructed of a matrix of Woven Aramid fabric, polyethylene UD and Woven Felt fabric. No other ballistic material shall be used.

As the department has selected these materials, any bids, which represent products manufactured from other materials, shall be rejected. Accordingly, all bidders shall include a letter from the manufacturer stating that the products being submitted for consideration are manufactured from 100% first quality ballistic materials.

Ballistic Panel Cover Material

Each ballistic panel shall be covered in 100% weldable nylon 210D double wall rip stop with TPU coating.

Panel Construction

Printed: 7/24/2013

All submitted vests have uniform layer count throughout the entire ballistic panel; if not, the vest shall be rejected.



U.S. Department of Justice

Office of Justice Programs

National Institute of Justice

Washington, D.C. 20530

March 22, 2012

Sam White Executive Vice President Point Blank Solutions Inc. 2102 SW 2nd Street Pompano Beach, FL 33069

Notice of Compliance with NIJ Standard-0101.06

Body Armor Model Designation: AII-2 NIJ Compliance Status Expires: March 22, 2017

Dear Mr. White:

We have completed our evaluation of the body armor model identified above that was submitted to the National Institute of Justice's (NIJ's) Voluntary Body Armor Compliance Testing Program. We are pleased to inform you that the above body armor model satisfies the requirements of NIJ Standard–0101.06 and the Compliance Testing Program.

We also received your completed declaration concerning the model noted above and your agreement to participate in the conformity assessment follow-up process.

The body armor model details are listed on the NIJ Compliant Products List available at www.justnet.org/CTP.

You are now authorized to place the NIJ Statement of Compliance on the labels of this body armor model and all subsequent production units. The Statement of Compliance shall read:

"This model of armor has been determined to comply with NIJ Standard-0101.06 by the NIJ Compliance Testing Program and is listed on the NIJ Compliant Products List."

All compliance requirements, as identified by the NIJ Body Armor Compliance Testing Program Administrative Manual and the Ballistic Body Armor Applicant Package, must be maintained as long as the NIJ Statement of Compliance is displayed on this armor model's labels. If, at any time, the compliance status of this armor model is changed, the NIJ Statement of Compliance shall cease to be used as of the date of the status change.

Sincerely,

Michael K. O'Shea

Law Enforcement Program Manager

What K O Sha

US Department of Justice

OJP/NIJ/OST/Operational Technologies Division

This is Revision Number: 04 Revision Date: 8/2/2009

Document Status:

Official NIJ-Approved Test Laboratory Compliance Testing Report (CTR)

This CTR is to be used only with testing assosiated with NIJ Body Armor Compliance Testing Program (CTP) and should not be distributed to any unauthorized parties.

Do not modify this document. If problems or issues with this CTR are discovered please contact the CTP so they can be resolved.

- 1. These worksheets are intended as a method of recording and documenting ballistic test results from tests performed to the requirements of NIJ Standard-0101.06 for body armor models that will be part of the NIJ body armor conformity testing program.
- 2. In gerneral, gray shaded cells are intended to be filled in by the test laboratory. All others cells are automatic calculations and should not be changed. Some shaded cells will fill in automatically; however, these cells may be manually filled in when necessary.
- 3. Many of the worksheets have their own instructions at the top of the sheet.
- 4. To fully utilize these spreadsheets, the R statistical package and the RExcel statistics connector will need to be installed on the computer where this speadsheet is used. These packages are not necessary for running a test or inputting data, but the ballistic limit summary ("BL Summary" worksheet) will not be completely calculated unless these packages are properly installed. Detailed instructions for obtaining and installing these packages is provided in the worksheet "Stats Install Instructions".
- 5. The laboratory may choose to modify the print header on the data and summary pages to include their name, logo, and applicable accreditation information.
- 6. The worksheet "Laboratory and Armor" should be filled in with the details of the test configuration and armor model.
- 7. The worksheet "Sample Information" should be filled in with the details of the individual armor samples that will be tested as part of the conformity test.
- 8. The worksheet "Handloads" can be used to record handload development data for each of the P-BFS test rounds. This worksheet is optional.
- 9. The worksheets "P-BFS..." are intended for recording the test results from each P-BFS sample. These worksheets are initially all identical. Many of the cells that fill in automically are filled in based on the name of the worksheet. When necessary, these sheets may be deleted and replaced by copying the worksheet "P-BFS Spare" and renaming the new copy. The name of each P-BFS sheet has the following form:

P-BFS <Condition> T<Threat Number> S<Sample Number>

Where:

- <Condition> is either "New" for as manufactured sampled or "Cond" for environmental conditioned samples.
- <Threat Number> is the test round number from Table 4 in NIJ-0101.06.
- <Sample Number> is the armor sample number as listed in the "Sample Information" worksheet. This number should always be listed as a two digit number, i.e. "02" instead of "2", in the worksheet name.
- 10. The worksheets "BL..." are intended for recording the test results from each ballistic limit sample. These worksheets are initially all identical. Many of the cells that fill in automically are filled in based on the name of the worksheet. When necessary, these sheets may be deleted and replaced by copying the worksheet "BL Spare" and renaming the new copy. The name of each BL sheet has the following form:
 - BL <Condition> T<Threat Number> S<Sample Number>

Where:

- <Condition> is either "New" for as manufactured sampled or "Cond" for environmental conditioned samples.
- <Threat Number> is the test round number from Table 4 in NIJ-0101.06.
- <Sample Number> is the armor sample number as listed in the "Sample Information" worksheet. This number should always be listed as a two digit number, i.e. "02" instead of "2", in the worksheet name.
- 11. The worksheets "P-BFS Summary" and "BL Summary" are automatically generated summaries of the respective test results. No input is required on this sheet, but these sheets will indicate whether the armor model meets the performance requirements of NIJ-0101.06.

INSTRUCTIONS FOR INSTALLING R AND THE REXCEL STATISTICS CONNECTOR:

Requirements:

The ballistic limit summary worksheet in this spreadsheet requires the "R" statistics package and the "Rexcel" statistics connector for calculating the logistic regression, the V50, and the V05 repsone. To use this spreadsheets you will need to have the following software installed:

Microsoft Excel (version 2002 or newer).

The R statistical analysis package (version 2.2.1 or newer).

The R(D)com server (version 2.01 or newer).

The RExcel add-in for MS Excel (version 1.50 or newer).

The R statistical package, R(D)com server, and RExcel are all free software licensed under variants of the GNU General Public License (GPL). These packages should accompany this document, or they may be downloaded from the following locations:

R is available from http://www.r-project.org/

Specifically, the current version (2.8.1) can be downloaded from:

http://cran.cnr.berkeley.edu/bin/windows/base/R-2.8.1-win32.exe

http://cran.cnr.berkeley.edu/bin/windows/base/README.R-2.8.1

R(D)Com and Rexcel are available at:

http://sunsite.univie.ac.at/rcom/download/current/

Specifically, the current versions can be downloaded from:

http://sunsite.univie.ac.at/rcom/download/current/RSrv250_pl1.exe

or:

http://sunsite.univie.ac.at/rcom/download/current/RSrv250S.zip

(Note that RExcel is included in RSrv250 pl1.exe)

Additional information about R(D)Com and Rexcel is available from:

http://sunsite.univie.ac.at/rcom/

Installation:

- 1. Install Microsoft Excel, if it is not already installed on the computer.
- 2. Install R by running R-2.7.1-win32.exe (or a newer version). Accept the default installation options.
- 3. Install the R(D)Com server and RExcel by running RSrv250_pl1.exe (or a newer version). Again, accept the default installation options.

Test the installation by starting Excel and selecting "RExcel" on the main menu (If the RExcel add-in is properly installed, the RExcel menu item should appear between "Window" and "Help" on the Excel menu bar). Select "Demo Worksheets" and "Interactive Graphics". The demo spreadsheet should load and automatically generate a chart titled "A Test", which can be changed and regenerated by adjusting the sliders in the spreadsheet.

When R and RExcel are properly installed, this spreadsheet will automatically calculate the logisitic response curve, V50, and V05 for a set of ballistic limit test data. In addition, the installed versions of R and Excel will appear on both the "Laboratory and Armor" and "BL Summary" worksheets.

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

COMPLIANCE TESTING INFORMATION

FACILITY DESCRIPTION: Test Laboratory: H.P.WHITE LABORATO Test Start Date: 12/19/11 End Date: 12/31/11	Report Number: 11901-66 Report Date: 01/05/12	TESTING CERTIFICATION: Laboratory Representative: P.PAYNE/L.CHES Witnessed by: JOE BARKER POINT: BLANK: SOLUTIONS, INC. Representing & witnessed by: N/A Name
RANGE INFORMATION: Range Length:17.20ft.	Velocity 1: 5.00 ft. Velocity 2: 5.00 ft.	Velocity Measurement Units: Chronographs will report the time of flight. Data should be entered in μs (10^-6 s).
ARMOR DESCRIPTION: Manufacturer: POINT BLANK SOLUTIONS, INC Date Rec'd: 12/16/11 *Ballistic Material: HYBRID	Test ID: PB\$09-001916 Style: N/A Model Designation: All-2	Armor Style: VEST
"Ballistic Material Choices Aramid PBO Ceramic Metal Polyethylene Hybrid Composite Other	Shot-to-Edge Requirements: Threat 1: 2 Inches Threat 2: 3 Inches	Labels meet requirements of section 4.1.5.3: YES (Yes/INo)
ARMOR CONSTRUCTION: Front Closure (Y/N): Removable Carrier (Y/N): Number of Layers: 15	Front Panel	Rear Panel N Y 15
Description of Stitching: LAYERS 1-3, PERIMETE LAYERS 1-15, TACK AT		LAYERS 1-3, PERIMETER STITCH, LAYERS 1-15, TACK AT SHOULDERS.
LAYERS 8-15, FLEX POI		LAYER 1, 8 PLY: PLIES 1-7, FLEX WOVEN ARAMID FIBER, (9x24); PLY 8, WHITE FELT. LAYERS 2-7, FLEX POLYETHYLENE FILM, SB71. LAYERS 8-15, FLEX POLYETHYLENE FILM, SA-4144. RIP STOP TAB TACKED AT SHOULDERS BETWEEN LAYERS 7. AND 8.
REMARKS: STRAPPING: 2 VERTICA PANELS SHOT ON A PL	AL AND 3 HORIZONTAL, ANAR CONFIGURATION.	

Compliance Test Report revision 4 (2009-08-02) / R version 2.7.1 (2008-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

Sample Information and Description

Armors in "As-New" Condition

_	_	,											,	_		_		_	_	_	100-	_,.	95.00 =			_			_	_,	_		_
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¥	le 7	Back	C1	010 AV	2	8	ŀ	Yes	357 Mag	158/JSP	55 4	3	MINGTOR	22847		10.0	Ā	Baseli	a 17	Back	33	- A	, 13	740	ટ્ટ	.357 Mag	158/JSP	1430	7	MOTOR	22847		10.0
	Sample 7	Front	Ci	100 AA	2	26 0	ŀ	_	_	158/JSP	9 5	200	MINGTORE	22847	HP.W.L.I. H.P.W.L.I.	10.0			Sample 17	Front	ි පි.දි	S &	Z.		2	-	158/JSP	1430	71	MINIGTOR	22847	HP.W.L.I. H.P.W.L.I.	10.0
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st ID: PBS09-001916 Model Deisgnation: All-2 Penetration-Backface Signature (P-BFS) Test Samples	6.5	Back	CS	028 N/A	121	3.23	ľ	_	_	158/JSP	054	·	MINGTORE	22847	-	10.0	Model Deisgnation: All-2	_	3 15	Back	38	S AN	121	-	-	Эшш	124/FMJ	1305	7	RAINGTON	23558		10.0
Model De	Sample 5	Front	CS	052 N/A	121	3,16	ŀ	_	_	158/JSP	1430	3	MINGTORE	22847	<u> </u>	10.0	Model De		Sample 15	Front	: :	Y	121	2	ŝ	9mm	124/FMJ	1305	7	BACTONIM	23558	Ξ	10.0
6 Ice Signatu	2.4	Back	C1:	011 A/A	121	2	ŀ	, ≺es	mm6	124/FMJ		3	MINGTORE	23558	_	10.01	8		14	Back	<u>د</u> د	NA N	12.5		ş	9mm	124/FMJ	1305	7	MINGTORE	23558	_,	10 0
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Penetr		Back	C	012 N/A	13	1.04		Yes	9mm	124/FMJ	66.1		MINGTORE	23558	=	10.0	Test ID: P	allistic Limit - Threat	13	Back	33] ¥	12,5		Ŷ.	Bmm 9	124/FMJ	1305	2	MINGTONIA	23558		10.0
) EC	Sample 3	Front	- 15	900 VA	121	0.97		, Yes		· -	5 6	3		23558		10.0		ΙШ	Sample 13	Front	ි	} ≸	2,5	200	ş	Smm	124/FMJ	1305	<u> </u>	MINGTORE	23558	=	10.0
Manufacturer: POINT BLANK SOLUTIONS,	2	Back	CS	024 N/A	121	3.22		. ≺es		2	505	3	AINGTONE	23558	-:	10.0		Baseline	12	Back	ස දි	 } ≸	<u></u>		ş		2	1305	2	AINGTONE	23558	-:	10.0
NI BLANK	Sample 2	Front	CS	053 N/A	121	3.15		. ≺es	_	· -	302	?	INGTORE	23558	Ξ	10.0			Sample 12	Front	- -	Y/V	121	-	e S		<u>.</u>	1305	_	INGTORE	23558	=	10,0
acturer: PO	_	Back	8			2000 STOR			_	_	55	-	INGTOREM	23558 2	+	10.0	Manufacturer: 0			Back	- SS		22,		_ ع	_	<u>.</u>	1305	+	INGTOREM	23558	=	10.01
Manut	Sample 1	Front	8	g §		3,16	ŀ			<u> </u>	6051	3	EMINGTOREMINGTOREMINGTOREMINGTONEM	23558 2	-	10.01	Manuf		Sample 11	_	 S &				SK SK		_	1305	-	или по выпостовенностовенностовенностовенностовенностовенностовенностовенностовенностовенностовенностовенносто	23558 2		10.0
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		SAMPLE DESCRIPTION		Panel Serial Number Plate Serial Number	Z Cot	Gross Weight (lb.)	IEST DESCRIPTION	Water Submersion	Threat Ammonition	Bullet (grain/type)	Reference Velocity (IUS):	THREAT DESCRIPTION	Bullet Manufacturer:	Bullet Lot/Product Number:	Test Barrel Manufacturer;	Test Barrel Length (in):				SAMPLE DESCRIPTION	Size	Plate Serial Number	Lot Number	TEST DESCRIPTION	Water Submersion:	Threat Ammunition:	Bullet (grain/type):	Test Starting Velocity (#/s)	THREAT DESCRIPTION	Bullet Manufacturer	Bullet LaVProduct Number	Test Barrel Manufacturer.	Test Barrel Length (in):
		SAMPLED		2 2		100	ES OF	1	_	ć	Yala Y	THREAT D.	ď	Bullet Lo	Test B	Test				SAMPLED	ū	: đ	•	TEST DE	•	_		Test Sta	THREAT D	ď	Bullet	Test Ba	Test

Environmental Conditioned Armors

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357 Mag 9mm 9mm 357 Mag 3 156/LSP 124FMJ 124FMJ 158/SP 11 1340 1245 1245 1340 30 30 45 45	357 Mag 9mm 9mm 357 Mag 158/3SP 124FMJ 124FMJ 198/JSP 30 30 45 45	800000000	
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No No No No No No No 357 Mag 9mm 9mm 357 Mag 158/JSP 124/FMJ 124/FMJ 124/FMJ 1340 30 45 45	No No No No No 357 Mag 156/LSP 124/FMJ 124/FMJ 1340 1340 136 1340 30 30 45 45		
1.04 3.17 3.23 3.18 3.21 3.17 3.22 3.17 3.17 3.17 3.17 3.17 3.17 3.17 3.17	1104 317 323 3.18 3.21 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.		
134 124 3.17 3.23 3.18 121 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.17 3.23 3.2	1.04 1.21		
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NIJ Standard-0101.06 July 2008

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

HANDLOAD VERIFICATION WORKSHEET

This form is not required and may be substituted with appropriate internal laboratory documentation.

 Report Number:
 11901-66
 Report Date:
 01/05/12
 Range Length:
 Velocity 1:
 5:00
 ft.

 NIJ Armor Type:
 2
 17:20
 ft.
 Velocity 2:
 5:00
 ft.

		New A	Armor - Te	st Round 1			New Armor - Test Round 2										
A	mmunition:	erick in the taken the Administration	124/FMJ	Test Date:			Ammunition: .357 Mag 158/JSP Test Date:										
	Temp:		F	RH:		%	L	Temp:		F	RH:		%				
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.				
No.	(grain)	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	No.	(grain)	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)				
1		200000000000000000000000000000000000000	0	131120101000000000000000000000000000000	0		1		VIV. 650 (10 40)	0		0					
2	600000000000000000000000000000000000000	200000000000000000000000000000000000000	0		0	İ	2			0	0.0000000000000000000000000000000000000	0					
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4			0	COLIENT CONTROL	0		4		050000000000000000000000000000000000000	0	0.0000000000000000000000000000000000000	0					
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9	2/03/09/03/03/03/03	21.00.000000000000000000000000000000000	0	2000000	0		9	described control (S).	36800055 (GSA) 505	0	(20)	0	Ì				
10	51/10/2010 (04/10/2017	201001000000000	0	(10.00000000000000000000000000000000000	0	i	10	1991 (00) (00)	***************************************	0	13.00 (10.001)	0					

Mean: Mean: Mean: Mean: Mean:

 New Armor - Test Round 2

 NIJ Reference Velocity:
 1430
 ft/s

 Handload (NIJ Reference ± 10 ft/s):
 fnyt/lift
 ft/s

 Range (NIJ Reference ± 30 ft/s):
 1400
 1450
 ft/s

Min Max
Velocity Summary: 0 0 ft/s

Velocity Summary: 0 0 ft/s

	Conditioned Armor - Test Round 1							Conditioned Armor - Test Round 2									
А	Ammunition: 9mm 124/FMJ Test Date:							Ammunition: .357 Mag 158/JSP Test Date:									
	Temp:		F	RH:		%		Temp:	e de la companya de l	F	RH:		%				
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.				
No.	(grain)	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	No.	(grain)	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)				
1	(1) (100 (100 (100 (100 (100 (100 (100 (50 40 55 55	0	50.000.000.000	0		1	0.000.000.65		0		0					
2	30.35.353.450	302403-6817-681	0	9.000.000.000	0		2	333.080.02E.08	55116524536156	0	Rewall residen	0					
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8		62.000.000.000	0	20.80 B. 68	0		8		600000000000000000000000000000000000000	0		0					
9	3 39 32 31	Sec. 16. 16. 1889	0	22 333 853 553	0		9		38 30 80 3	0		0					
10	St. 1984/495 (St.		0	6 60 00 00	0		10	8 8 8 8	89.65.65.65	0	30 NO 40 NO	0					

Mean: Mean: Mean: , Mean:

Conditione	d Armor - To	est Round 2	2
NIJ Reference Velocity:	13	40	ft/s
Handload (NIJ Reference + 10 ft/s):	liny	100	fl∕s
Range (NIJ Reference + 30 ft/s):	1310	1370	ft/s

Min Max
Velocity Summary: 0 0 ft/

MIn Max
Velocity Summary: 0 0 ft/

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 1

	Report I	Number:	119	01-66	_	Repor	t Date:	01/05	/12	-	Test Date:	12/21/11
			POINT PB\$09-		SOLUTION	s, INC				nition:	9mm 1305	124/FMJ ± 30 ft/s
								•		ersion:		± 30 105
	NIJ Arm	or Type:		2	-			vvater	Subme	ersion: _	Yes	•
	TEST DIM	ENSIONS:			17.20 2	,		Velocity 1: Velocity 2:			Lab Technician(s):	P.PAYNE R.TRAUTMAN
Pane	el Serial I	No:		049			Samp Front I Plate S				N/A	
PRE-T	EST CLAY	' VALIDAT	ION:				D	rop Numb	er			
			R2B2		Depth of	1	2	3	4	5	Avg.	
			7:20		Indent:		20	20	19	20	20.0	
CI			100.5		'	Requir	ements	: All drops:	19 ± 3	mm , Av	rerage: 19 ± 2 mm	
				•				,		Pass:	Yes	
Ambi	CONDITION ent Temp:	Start 68			Start:	6; 7:			D	End:	7:33	HH:mm HH:mm min
							FRONT	PANEL				
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.		Fair	Perforate		BFS		
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Comr	nents
1	3815	1311	3824	1308	1309	0°	Υ	0		30		
2	3738	1338	3743	1336	1337	00	Y	0		30		
3	3797	1317	3797	1317	1317	0ο	Υ	0		33		
4	3792	1319	3792	1319	1319	30°	Y	0		Š		
5	3783	1322	3788	1320	1321	45°	Y	0	000000000000000000000000000000000000000			
6	3783	1322	3779	1323	1322	O°	Y	0				
7	1500 890000	0	370/8/1/8/2/19	0		Parasina.	1000-1000					
8		0		0						\$160 No.		
												Ī
POST-		Y VALIDA	estimated the New York and					rop Numb				
	В	lock ID:			Depth of	1	2	3	4	5	Avg.	

NOTES:

a - Excessive velocity

Time of Day: HH:mm
Clay Temperature: F

d - Too close to prior impact

Indent:

g - Impact on seam

Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm

Pass:

- b Insufficient velocity
- e Excessive total impacts (test terminated)
- f Excessive area impacts (test terminated)
- c Too close to edge

NIJ Standard-0101.06 July 2008

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 1

Report Number:	11901-66	-	Report Date:	01/05	/12		Test Date	: 12/21/11
Manufacturer:	POINT BLANK S	OLUTION	S, INC		Ammui	nition:	9mm	124/FMJ
Test ID:	PBS09-001916			Refere	nce Ve	locity:	1305	± 30 ft/s
NIJ Armor Type:	2	-		Water	Subme	rsion:	Yes	-
TEST DIMENSIONS:	Range Length: Laboratory Range #:	Victor and an action of the second of the se	•	Velocity 1: Velocity 2:	535555555555555555555555555555555555555		Lab Technician(s)	P.PAYNE R.TRAUTMAN
апе! Serial No:	022		Samp Back F				N/A	
anei Seriai NO.	022		. Flate S	enanivo.	-		13773	-
RE-TEST CLAY VALIDATION	ON:		Di	rop Numb	er]
Block ID:	R2B2	Depth of	1 2	3	4	5	Avg.	_
Time of Day:	7:38 HH:mm	Indent:	20 20	19	19	19	19.4	_
Clay Temperature:	99.8 F		Requirements:	All drops:	19 ± 3 i	тт , Ave	erage: 19 ± 2 <i>mm</i>]
•						Pass:	Yes]
EST CONDITIONS:		,	Armor Submersion	п			Firing Sequence	e
Start	End	Start:	state of the companies of the state of the s	HH:mm		Start:	7:45	HH:mm
Ambient Temp: 69	69 F	End:		HH:mm		End:	7:53	HH:mm
Rel Humidity 35	35 %	Duration:	30	min	Di	uration:	8	min

	BACK PANEL										
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel, 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	3860	1295	3855	1297	1296	O°	Υ	0		29	
2	3824	1308	3828	1306	1307	0°	Υ	0		32	
3	3845	1300	3846	1300	1300	0°	Υ	0		36	
4	3819	1309	3819	1309	1309	45°	Y	0	0.000.0000		
5	3824	1308	3828	1306	1307	30°	a Y	0	8,637,08356		
6	3844	1301	3845	1300	1301	0°	Y	0	100		
7	550 (35.08)	0		0			353514335345	66.62.66		ALASANS.	
8		0	0.4000.0000	0		4408	\$60.00EN\$		650,000		

POST-TEST CLAY VALIDATION:

Block ID: R2B2
Time of Day: 7:56 HH:mm
Clay Temperature: 98.9 F

		D	rop Numb	er		
Depth of	1	2	3	4	5	Avg.
Indent:	19	19	18	17	18	18.2
	Requir	ements	: All drops:	19 ± 3	mm, A	verage: 19 ± 2 mm
	-				Pass:	Yes

NOTES:

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

b - Insufficient velocity

e - Excessive total impacts (test terminated)

c - Too close to edge

f - Excessive area impacts (test terminated)

NIJ Standard-0101.06 July 2008

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

Perforation and BFS Firing Data - New Armor - Threat 1

	Report 1	Number:	1190	01-66	_	Repor	rt Date:	01/05/	12	-	Test Date:	12/21/11
					SOLUTIONS	S, INC				unition:		124/FMJ ± 30 ft/s
			: <u>PBS09-0</u> : 2					•		elocity: ersion:		± 30 105
		IOF TYPE:	: Ran	nge Length:		-		Velocity 1:	5.00	<u></u> R.	Lab Technician(s):	D.ADAMS R.TRAUTMAN
ane	el Serial N	No:		053			Samp Front F				N/A	
un	I Ochian i	, 4 0.					riuto _	Milai i.u.			1417)	
RE-T	TEST CLAY	Y VALIDAT	ION:	ſ			D.	rop Numbe	er			1
		Block ID:	B 000 - 1000 - 1000 - 1000	:	Depth of	1	2	3	4	5	Avg.	
	Time	of Day:	9:05	HH:mm	Indent:			51,50000			19.2	
Cla	ay Temp	erature:	: 99.7	,F '	ĺ	Require	ements:	: All drops:	19 ± 3		verage: 19 ± 2 mm	
				ŀ	<u> </u>					Pass:	Yes	
EST	CONDITIO	NS: Start	End				ubmersior :30 l			Start:	Firing Sequence 9:10	.HH:mm
Ambi	ient Temp:		68	F			:00					HH:mm
Rel	Humidity:	33	33	%	Duration:				C		10	
						A	FRONT F	PANEL				
hot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	[Fair	Perforate	-	BFS		
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle		(Y=1/N=0)	Note	(mm)	Comn	nents
1	3815	1311	3815	1311	1311	0°	Y	0	Alasidases Turangalas	26		
2	3761	1329	3761	1329	1329	0°	Y	0		22	No. 2 Company of the	
3	3806	1314	3808	1314	1314	l ∩∘ l	V	n	40000000000000000000000000000000000000	28		

POST-TEST	CLAY	VALIDATION:

3801

3797

3806

Block ID:
Time of Day:
HH.mm
Clay Temperature:

1315

1317

1314

0

0

3801

3797

3806

1315

1317

1314

0

0

	Drop Number					
Depth of	1	2	3	4	5	Avg.
indent:						
Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm						
	Pass: -					

0

0

0

NOTES:

6

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

b - Insufficient velocity c - Too close to edge

e - Excessive total impacts (test terminated)

f - Excessive area impacts (test terminated)

45°

30°

0°

Υ

1315

1317

1314

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Firing Data - New Armor - Threat 1

Report Number:	11901-66	-	Report Date:	: 01/05/12			Test Date:	12/21/11	
Manufacturer:	POINT BLANK S	SOLUTION	S, INC		Ammuni	ition:	9mm	124/FMJ	
Test ID:	PBS09-001916			Refere	ence Velo	city:	1305	± 30 ft/s	
NIJ Armor Type:	2	-		Water	Submer	sion: _	Yes	-	
TEST DIMENSIONS:	Range Length: Laboratory Range #:	Security of the second of the second of the second of	ft.	Velocity 1: 5.00 ft. Velocity 2: 5.00 ft.			Lab Technician(s):	D:ADAMS R:TRAUTMAN	
Panel Serial No:	024		Samp Back F Plate S				N/A		
PRE-TEST CLAY VALIDATI	ON:		Dı	op Numb	er	-	· · · · · · · · · · · · · · · · · · ·	1	
Block ID:	and the state of the transfer	Depth of		3	4	5	Avg.		
	9:25 HH:mm	Indent:		18	18	18	18.4	1	
Clay Temperature:			Requirements:	All drops:	19 ± 3 m	m , Ave	erage: 19 ± 2 mm	1	
					F	ass:	Yes		
TEST CONDITIONS:		4	Armor Submersio	1			Firing Sequence	•	
Start	End	Start:	8:50	HH:mm		Start:	9:32	HH:mm	
Ambient Temp: 68	<u>68</u> F	End:	9:20	HH:mm		End:	9:39	HH:mm	
Rel, Humidity: 33	33 %	Duration:	30	min	Du	ation:	7	min	

							BACK	PANEL			
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	3828	1306	3833	1304	1305	O ₀	Y	0		28	
2	3842	1301	3851	1298	1300	O°	Y	0		29	
3	3801	1315	3806	1314	1315	0°	Y	0		32	
4	3842	1301	3846	1300	1301	30°	Y	0	6.50 A.S.		
5	3752	1333	3752	1333	1333	45°	Y	0	6630.000		
6	3819	1309	3824	1308	1308	00	¥	0			
7		0	0.000	0		ES/ANAS	de la serie	18.8 8.3	448.88		
Я		Λ	34030.0000	0		537/8/2012	and the				

POST-TEST CLAY VALIDATION:

Block ID: R2B3
Time of Day: 9:42
HH::mm
Clay Temperature: 98:4

		D	rop Numb	er		
Depth of	1	2	3	4	5	Avg.
Indent:	18	17	18	17	17	17.4
	Require	ements	: All drops:	19 ± 3	mm, A	verage: 19 ± 2 mm
					Pass:	Yes

NOTES:

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

b - Insufficient velocity c - Too close to edge e - Excessive total impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Firing Data - New Armor - Threat 1

	Report I	Number:	1190	01-66	Report Date: 01/05/12						Test Date:	12/ 21/11
		Test ID:	POINT I	001916	OLUTION	S, INC		Ammunition: Reference Velocity: Water Submersion:				124/FMJ ± 30 ft/s
	TEST DIM	ENSIONS:		-	17.20 2	ft.		Velocity 1: Velocity 2:		•	Lab Technician(s):	P.PAYNE R:TRAUTMAN
Pane	el Serial	No:		006		_	Samp Front I Plate S				N/A	
	PRE-TEST CLAY VALIDATION: Block ID: R2B1								Avg. 19.6 verage: 19 ± 2 mm Yes			
TEST CONDITIONS:					Start: End: Duration:	6;	05 35	on HH:mm Start: HH:mm End: min Duration:			6:53	HH:mm HH:mm min
							FRONT	PANEL				
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair	Perforate	Note	BFS (mm)	Comr	nents
1	3797	1317	3801	1315	1316	0°		0		32		
2	3828	1306	3833	1304	1305	0°	Action Francisco	0	0.0000000000	31		
3	3783	1322	3783	1322	1322	On	Acceptation and an experience	0	1000	34		
4	3747	1334	3747	1334	1334	30°	Y	0				
5	3761	1329	3761	1329	1329	45°	Y	0				
6	3869	1292	3873	1291	1292	0°	Y.	0	100000000000000000000000000000000000000	Despesale per sei		
7	A\$\$\$ 450 miles	0		0		200000000000000000000000000000000000000	355.055.0	A 40 (2)	A SECTION ASSESSMENT			
8		0	3.535 ASS	0			STATE OF		100000000000000000000000000000000000000			

Block ID:
Time of Day:
HH:mm
Clay Temperature:

		D	rop Numb	er		
Depth of	1	2	3	4	5	Avg.
Indent:						
	Require	ements	: All drops:	19 ± 3	mm, A	verage: 19 ± 2 mm
					Pass:	-

NOTES:

- a Excessive velocity
- d Too close to prior impact

- b Insufficient velocity
- e Excessive total impacts (test terminated)
- c Too close to edge
- f Excessive area impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Firing Data - New Armor - Threat 1

Report Number:	11901-66	-	Report Date:	01/05	/12	-	Test Date	:12/19/11	
Manufacturer:	POINT BLANK S	SOLUTION	S, INC		Ammu	ınition:	9mm	124/FMJ	
Test ID:	PBS09-001916			Refere	ence Ve	elocity:	1305	± 30 ft/s	
NIJ Armor Type:	2	_		Water	Subme	ersion: _	Yes	_	
TEST DIMENSIONS:	TEST DIMENSIONS: Range Length: 17:20 Laboratory Range #: 9			t. Velocity 1: <u>5.00</u> ft. Velocity 2: <u>5.00</u> ft.				J. CONTRERAS M. GOMEZ	
Panel Serial No:	011		Samp Back P Plate S				N/A	_	
PRE-TEST CLAY VALIDATI	ON:		Dr	op Numb	er			1	
Block ID:	R9B2	Depth of	1 2	3	4	5	Avg.		
Time of Day:	3:52 HH:mm	indent:	19 21	21	20	20	20.2]	
Clay Temperature:	100.1 F		Requirements:	All drops:	19 ± 3	mm, Ave	erage: 19 ± 2 mm		
						Pass:	Yes]	
TEST CONDITIONS:		1	Armor Submersion	1			Firing Sequence	9	
Start	End	Start:	3:17 I	HH:mm		Start:	3:57	HH:mm	
Ambient Temp: 62	62 F	End:	3:47 I	HH:mm		End:	4:06	HH:mm	
Rel Humidity: 41 41 %		Duration	30 .	min		ouration:	a	min	

							BACK	PANEL			
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Алдіе	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	3870	1292	3865	1294	1293	0°	Ý	0	01/01/01/01/01/01 01/01/01/01/01/01	35	
2	3827	1307	3823	1308	1307	00	Y	0	A 14 85 14 45 45 5 15 45 45 55 55	31	
3	3827	1307	3829	1306	1306	0°	Ý	0	12000	31	
4	3868	1293	3864	1294	1293	30°	Y	0	01003250030	Ĭ	
5 .	3788	1320	3789	1320	1320	45°	Y.	0			
6	3887	1286	3882	1288	1287	0°	Y	0	E455.0550		
7	100800000000	0		0			60 A 60 A 5	80.65	4.380.080	5.0000000	
8	100 A V 200 C 200 A	0	0.386888	0		681600CS	(S) (S20)		260 V 280		Adv. S. A. Marinet, and A. Mar

POST-TEST CLAY VALIDATION:

Block ID: R9B2
Time of Day: 4:10 HH:mm
Clay Temperature: 99:6 F

		D	rop Numb	er		
Depth of	1	2	3	4	5	Avg.
Indent:	19	19	18	18	20	18.8
'	Require	ements	: All drops:	19 ± 3	mm, A	verage: 19 ± 2 mm
					Pass:	Yes

NOTES:

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

b - Insufficient velocity

e - Excessive total impacts (test terminated)

c - Too close to edge

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

Perforation and BFS Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05/12	_	Test Date:	12/19/11
	POINT BLANK S	OLUTIONS, INC	Ammı	ınition:	9mm	124/FMJ
Test ID:	PBS09-001916		Reference Vo	elocity:	1305	± 30 ft/s
NIJ Armor Type:	2	•	Water Subm	ersion:	Yes	
TEST DIMENSIONS:	Range Length;	17,20 ft.	Velocity 1: 5,00	fl.	Lab Technician(s):	J. CONTRERAS
	Laboratory Range #:	9	Velocity 2: 5.00	ft.		M. GOMEZ
Panel Serial No:	002	Samp Front F Plate S			N/A	
PRE-TEST CLAY VALIDATI			op Number	,		
Block ID:		Depth of 1 2	3 4	5	Avg.	
• •	3:30 HH:mm	Indent: 20 21	20 20	20	20.2	
Clay Temperature:	<u>100.7</u> F	Requirements:	All drops: 19 ± 3		•	
				Pass:	Yes	
TEST CONDITIONS:		Armor Submersion			Firing Sequence	
Start	End _		НН:тт	Start:	And the transport of the second secon	HH:mm
Ambient Temp: 63	63 F	A CONTROL OF THE PROPERTY OF T	HH:mm 7	End:		HH:mm
Rel. Humidity: 41	41%	Duration: 30	min (Ouration:	13	mín
		FRONT F	PANEL			

							FRONT	PANEL			
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	3826	1307	3829	1306	1306	О°	Y	0		32	
2	3815	1311	3812	1312	1311	0°	Y	0		33	
3	3841	1302	3839	1302	1302	0°	Υ	0		32	
4	3876	1290	3872	1291	1291	45°	Y	0	0.000.000		
5	3907	1280	3903	1281	1280	30°	Y	0			
6	3847	1300	3843	1301	1300	0°	2Y.	0			
7		0		0				6 6 6 6	\$10000000	\$60,638,7.03	
8	0.6550065000	Ω	860000000000	0		150000			500000000000	300000	

POST-TEST CLAY VALIDATION:			D	rop Numb	er		
Block ID:	Depth of	1	2	3	4	5	Avg.
Time of Day: HH:mm	Indent:		1000				
Clay Temperature: F		Require	ements	: All drops:	19 ± 3	mm, A	verage: 19 ± 2 mm
						Pass:	-

NOTES:

a - Excessive velocity

g - Impact on seam

b - Insufficient velocity

c - Too close to edge

d - Too close to prior impact

e - Excessive total impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

Perforation and BFS Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:			01/05/	/12	-	Test Date:	12/19/11
	POINT BLANK S	SOLUTIONS	S, INC				nition:		158/JSP ± 30 ft/s
NIJ Armor Type:	2	•					ersion:		
TEST DIMENSIONS:	Range Length: Laboratory Range #	to first the factor and the first term	ft.		Velocity 1: Velocity 2:			Lab Technician(s):	J. CONTRERAS M. GOMEZ
				Samp Front F	anel				
Panel Serial No:	052			Plate S	erial No:			N/A	
PRE-TEST CLAY VALIDATION	to both on toot				op Numb				
Block ID: Time of Day: Clay Temperature:	9;12 HH:mm	Depth of Indent:	20	2 19 ements:	3 19 All drops:	4 19 19 ± 3	5 19 mm , A Pass:	Avg. 19.2 verage: 19 ± 2 mm Yes	
TEST CONDITIONS: Start Ambient Temp: 64 Rel. Humidity: 34	End 64 F 34 %	Start: End: Duration:	8: 9:	06 0	i HH:mm HH:mm nin	D	Start: End: Juration:	9:26	HH:mm HH:mm min

							FRONT	PANEL		-	
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	3540	1412	3538	1413	1413	0°	Υ	0		33	
2	3505	1427	3502	1428	1427	0°	· Y	0		34	
3	3498	1429	3495	1431	1430	0°	Y	0	2012/06/2014	34	
4	3467	1442	3464	1443	1443	30°	355 Y 355	- 0	3,505,505		
5	3445	1451	3442	1453	1452	45°	Y	0	0.0588000		
6	3542	1412	3539	1413	1412	0°	×Y.	0	100000000		
7		0	800 SEC. SEC.	0		35,000,00	457.003.	1.03 (5) (0)	01001058		
8	A (0.830 880 VAR)	n	400800000	D	ì	150,000,000	Mark Carlot	60.000	98858868	30.53098	

POST-TEST CLAY VALIDATION:			D	rop Numb	er		
Block ID:	Depth of	1	2	3	4	5	Avg.
Time of Day: HH:mm	Indent:	1900000000	4000 H		\$4000 (1234)		
Clay Temperature:		Requir	omente	· All drone:	10 + 3	mm Δ	verage: 19 + 2 mi

Clay Temperature: _____F

NOTES:

a - Excessive velocity

b - Insufficient velocity

c - Too close to edge

d - Too close to prior impact

g - Impact on seam

Pass:

e - Excessive total impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Firing Data - New Armor - Threat 2

Report Number:	11901-66	. F	Report Date: _	01/05/	/12	-	Test Date:	12/19/11
	POINT BLANK S PBS09-001916 2	OLUTIONS	, INC		nce Ve	nition: _ elocity: _ ersion: _	.357 Mag 1430 Yes	158/JSP ± 30 ft/s
TEST DIMENSIONS:	Range Length: Laboratory Range #:	ACTOR COURTS A CALCADA AND CONTRACT	L.	Velocity 1: Velocity 2:	Salaten dan disebbatan		Lab Technician(s):	J. CONTRERAS M. GOMEZ
Panel Serial No:	028		Sampl Back P Plate S				N/A	
PRE-TEST CLAY VALIDATI Block ID: Time of Day: Clay Temperature:	R981 9:29 HH mm	Depth of Indent:	1 2 19 19	op Number 3 18 All drops:	4 19	5 18 mm , Av Pass:	Avg. 18.6 erage: 19 ± 2 mm Yes	
TEST CONDITIONS: Start Ambient Temp: 64 Rel. Humidity: 34	End 62 F 34 %	Ar Start: End: Duration:	9:19 F	H:mm H:mm nin	D	Start: End: uration:	9:43	HH:mm HH:mm min

	BACK PANEL												
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (μs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments		
1	3540	1412	3531	1416	1414	0°	Y	0	1000000000	32			
2	3492	1432	3488	1433	1433	0°	Υ	0	gougai indeb	41			
3	3408	1467	3404	1469	1468	0°	Y	0		35			
4	3447	1451	3442	1453	1452	45°	y.	0					
5	3433	1456	3428	1459	1458	30°	Y	0					
6	3481	1436	3477	1438	1437	00	Y	0	0.00000000				
7	. (38. AS) Z	0	Service Space	0					A desirable				
8	A SEASON OF	0		0		8848888	365 N 587 K						

POST-TEST CLAY VALIDATION:

Block ID: R9B1
Time of Day: 9:45
HH:mm
Clay Temperature: 99:4
F

		D				
Depth of	1	2	3	4	5	Avg.
Indent:	17	17	17	16	19	17.2
'	Require	ements	: All drops:	19 ± 3	mm , A	verage: 19 ± 2 mm
	-				Pass:	Yes

NOTES:

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

b - Insufficient velocity

e - Excessive total impacts (test terminated)

c - Too close to edge

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Firing Data - New Armor - Threat 2

	Report I	Number:	119(01-66	Report Date: 01/05/12						Test Date:	12/19/11
	Manu				SOLUTIONS	S, INC		-	-	unition:		158/JSP
			: <u>PBS09-</u> (-		elocity:		± 30 ft/s
	NIJ Arm	or Type:	:	2				Water	Subm	ersion:	Yes	_
	TEST DIM	MENSIONS:			: 17.20 : 9	-		Velocity 1: Velocity 2:			Lab Technician(s):	J. CONTRERAS M. GOMEZ
							Samp	ale 6				
							Front F					
Pane	el Serial I	No:		054			Plate ?	Serial No:			N/A	
												•
PRE-T	TEST CLAY		120000000000000000000000000000000000000	ľ				rop Numbe	_			
		Block ID:			Depth of		2	3	4	5	Avg.	ĺ
			10:02		Indent:	1,1, 00 0 10,17	19	19	19	20	19.4	
Cla	ay Temp	erature:	: <u>101.5</u>	F !	1 '	Requir	ements	: All drops:	19 ± 3		verage: 19 ± 2 mm	
				1	<u> </u>					Pass:	Yes	
TEST	CONDITIO				-	and the second	ubmersio				Firing Sequence	
		Start	End	_	Start:			HH:mm			W	HH:mm
	ient Temp:	=			End:			HH:mm		÷	***************************************	HH:mm
Kei.	I. Humidity:		35	%	Duration:	<u> </u>	30	min	L	Juration;	11	min
							FRONT F	PANEL				
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	$\overline{}$	Fair	Perforate	ſ · · · · · · · ·	BFS		-
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle		(Y=1/N=0)	Note	(mm)	Comn	nents
1	3530	1416	3525	1418	1417	00		n i	\$6,000,000,000	33		

FRONT PANEL												
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.		Fair	Perforate		BFS	i i	
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Comments	
1	3530	1416	3525	1418	1417	0°	Y	0	for involving the	33		
2	3545	1410	3541	1412	1411	0°	Ŷ	0		31		
3	3485	1435	3482	1436	1435	O°	Υ	0	5100000	33		
4	3470	1441	3466	1443	1442	45°	Y	0				
5	3446	1451	3442	1453	1452	30°	Y	0				
6	3456	1447	3452	1448	1448	0°	Y	0				
7		0		0				5. 25. 35. 35.				
8 .	AND STREET	0	30.4521.6310	0			0.000					

POST-TEST CLAY VALIDATION:			D	rop Numb	er		
Block ID:	Depth of	1	2	3	4	5	Avg.
Time of Day: HH:mm	Indent:						
Clay Temperature: F		Require	ements	: All drops:	19 ± 3	mm, A	verage: 19 ± 2 mm
						Pass:	<u> -</u>

NOTES:

- a Excessive velocity
- d Too close to prior impact

- b Insufficient velocity c - Too close to edge
- e Excessive total impacts (test terminated)
- f Excessive area impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date: _	01/05/12	Test Date:	12/21/11
Manufacturer:	POINT BLANK SOLUTIO	NS, INC	Ammunition:	9mm	124/FMJ
Test ID:	PBS09-001916		Reference Velocity:	1305	± 30 ft/s
NIJ Armor Type:	2	_	Water Submersion:	Yes	-
TEST DIMENSIONS:	Range Length: 17.20	ft.	Velocity 1: 5.00 ft.	Lab Technician(s)	P.PAYNE
	Laboratory Range #: 2		Velocity 2: 5.00 ft.		R,TRAUTMAN
		_			

Sample 3 Back Panel

Panel Serial No: 012 Plate Serial No: N/A

PRE-TEST CLAY VALIDATION:

Block ID: R2B1
Time of Day: 7:00 HH:mm
Clay Temperature: 100.4 F

	~					
Depth of	1	2	3	4	5	Avg.
Indent:	20	19	19	20	18	19.2
	Requir	ements	: All drops:	19 ± 3	mm , Av	verage: 19 ± 2 mm
	•				Pass:	Yes

TEST CONDITIONS:

 Start
 End

 Ambient Temp:
 68
 69
 F

 Rel. Humidity:
 35
 35
 %

| Armor Submersion | Start: | 6.25 | HH:mm | End: | 6.55 | HH:mm | Duration: | 30 | min

	-										<u> </u>
							BACK	PANEL			
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	3833	1304	3833	1304	1304	Op.	Y	0		33	
2	3819	1309	3824	1308	1308	0°	Y	0		34	
3	3851	1298	3855	1297	1298	00	Y	0	200200	33	
4	3851	1298	3851	1298	1298	45°	Y	0	2.000 (0.000) (0.000) (0.000)		
5	3824	1308	3824	1308	1308	30°	Y	0			
6	3770	1326	3774	1325	1326	0°	Y	0	5.633.0463.		
7		0	39.48% (AB).	0		20.500	1000000		0.000	\$1000 LOS	
8		0	AVISO ALIA	0			455	6.656.86.86.	12/43/210/24		

POST-TEST CLAY VALIDATION:

Block ID: R2B1
Time of Day: 7:15 HH.mm
Clay Temperature: 99:7 F

		D						
Depth of	1	2	3	4	5	Avg.		
Indent:	19	18	19	19	18	18.6		
	Requirements: All drops: 19 ± 3 mm , Average: 19 ± 2 mm							
	-				Pass:	Yes		

NOTES:

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

b - Insufficient velocity

e - Excessive total impacts (test terminated)

c - Too close to edge

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Firing Data - New Armor - Threat 2

Report Number:	11901-66 Report Date			rt Date:	01/05/12 Test Date				12/19/11
	POINT BLANK S PBS09-001916	SOLUTIONS	S, INC			ence V	inition: _ elocity: _	.357 Mag 1430	158/JSP ± 30 ft/s
NIJ Armor Type:	2	-			Water Submersion:			Yes	-
TEST DIMENSIONS:		Range Length: 17:20 ft. ratory Range #: 9				: 5,00 : 5.00	7	Lab Technician(s):	J. CONTRERAS M. GOMEZ
Panel Serial No:	023			Samp Back P Plate S				N/A	_
PRE-TEST CLAY VALIDATI	ON:		Drop Number]
Block ID:		Depth of		2	3	4	5	Avg.	
Time of Day:	10:22 HH:mm	Indent:		19	19	20	18	19.2	
Clay Temperature:	F		Requi	rements:	All drops	: 19 ± 3	mm, Ave Pass:	erage: 19 ± 2 mm Yes	
TEST CONDITIONS:		P	0.0000000000000000000000000000000000000	ubmersior			944	Firing Sequence	
Start	End	Start:			HH:mm		Start:	10:25	HH:mm
Ambient Temp: 62	<u>62</u> F	End:		2102222222	HH:mm		End:	Tariff to Audio company of the contract of	HH:mm
Rel. Humidity: 34	34 %	Duration:		<u>30 </u>	min		Ouration:	10	mín

							BACK	PANEL			
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	3472	1440	3468	1442	1441	00	Y	0	8000000	36	
2	3442	1453	3438	1454	1453	0°	Υ	0	2020000	35	
3	3458	1446	3454	1448	1447	0°	Υ	0	STATE OF THE STATE	33	
4	3404	1469	3401	1470	1470	30°	Y	0	de de la companya de		
5	3466	1443	3462	1444	1443	45°	Y	0			
6	3414	1465	3411	1466	1465	0°	Y	0			
7	00.00	0	55.653.65	0							
8		0		0		SOLVE S					

POST-TEST CLAY VALIDATION:

Block ID: R9B2 Time of Day: 10:39 HH:mm Clay Temperature: 100:1 F

		D	rop Numb	er		
Depth of		2	3	4	5	Avg.
Indent:	19	20	20	18	19.0	
	Require	ements	: All drops:	19 ± 3	mm, A	verage: 19 ± 2 mm
					Pass:	Yes

NOTES:

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

b - Insufficient velocity c - Too close to edge e - Excessive total impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 2

Report Number:	11901-66		Report Date:	01/05/12		Test Date:	12/19/11
Manufacturer:	POINT BLANK S	OLUTIONS	S, INC	An	nmunition: _	.357 Mag	158/JSP
Test ID:	PBS09-001916			Referenc	e Velocity: _	1430	± 30 ft/s
NIJ Armor Type:	2			Water Su	bmersion: _	Yes	-
TEST DIMENSIONS:	Range Length: Laboratory Range #:	tareas in the same of the same of	1000 P			Lab Technician(s):	J. CONTRERAS M. GOMEZ
Panel Serial No:	001		Samp Front F Plate S			N/A	
PRE-TEST CLAY VALIDATION	ON:		Dı	op Number			
Block ID:	R9B3	Depth of	1 2	3	4 5	Avg.	
Time of Day:	10:50 HH:mm	Indent:	17 17	17	19 20	18.0	
Clay Temperature:	98.9 F	Ī	Requirements:	All drops: 19	± 3 mm , Ave	erage: 19 ± 2 mm	
•					Pass:	Yes	
TEST CONDITIONS:		А	rmor Submersion	1		Firing Sequence	
Start	End	Start:	10:11	HH:mm	Start:	10:55	HH:mm
Ambient Temp: 63	63 F	End:	10:41	HH:mm	End:	11:02	HH:mm
Rel, Humidity: 36	36 %	Duration:	30 (min	Duration:	7	min

							FRONT	PANEL			
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BF\$ (mm)	Comments
1	3507	1426	3503	1427	1427	0°	Y	0	0)200,7541250	39	
2	3453	1448	3449	1450	1449	0ο	Y	0	10000000000	38	
3	3463	1444	3459	1446	1445	O°	Y	0	anings mills	40	
4	3559	1405	3555	1406	1406	30°	Υ	0	100000000000000000000000000000000000000		
5	3459	1446	3454	1448	1447	45°	Y	0	100000		
6	55.55.5	0	5 439-65	0		0°	100000000000000000000000000000000000000	5.520.050.620.	80000000000		
7	1.000	ō	ALASSO ASS.	0					4.65.65	en da la	
8	(8) (8) (6)	0		0						ās at an	

POST-TEST CLAY VALIDATION:			D	rop Numb	er		
Block ID:	Depth of	1	2	3	4	5	Avg.
Time of Day: HH:mm	Indent:				2000000	923908s	
Clay Temperature: F	· ·	Requir	ements	: All drops:	19 ± 3	mm, Ave	rage: 19 ± 2 mm
· · · · · · · · · · · · · · · · · · ·						Pass:	-

NOTES:

- a Excessive velocity
- b Insufficient velocity
- c Too close to edge
- d Too close to prior impact
- e Excessive total impacts (test terminated)
- f Excessive area impacts (test terminated)
- g Impact on seam

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Penetration and BFS Firing Data - New Armor - Threat 2

Report Number:	Report Number: 11901-66 Report Date					1/05/12 Test Date:					
Manufacturer:	POINT BLANK S	OLUTIONS	S, INC		Ammunition:	.357 Mag	158/JSP				
Test ID:	PBS09-001916			Refere	ence Velocity:	1430	± 30 ft/s				
NIJ Armor Type:	2	-		Water	Submersion:	Yes	-				
TEST DIMENSIONS:	Range Length: Laboratory Range #:	No recognistic description of the second	ft.		5.00 ft.	Lab Technician(s):	J. CONTRERAS M. GOMEZ				
			Samp Back P								
Panel Serial No:	010		Plate S	erial No:		N/A	-				
PRE-TEST CLAY VALIDATI	ON:		Dr	op Numb	er]				
Block ID:	R9B3	Depth of	1 2	3	4 5	Avg.					
Time of Day:	11:05 HH:mm	Indent:	18 17	18	18 20	18.2	j				
Clay Temperature:	98.5_F	Ī	Requirements:	All drops:	19 ± 3 mm, A	verage: 19 ± 2 mm					
					Pass:	Yes					
TEST CONDITIONS:		10	rmor Submersior			Firing Sequence					
Start Ambient Temp: 62	End 62F	Start: End:		HH:mm HH:mm	Start: End:	11:10 11:19	HH:mm HH:mm				

							BACK	PANEL			
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments
1	3457	1446	3453	1448	1447	00	Υ	0	ASSESSMENT OF THE PROPERTY OF	35	
2	3462	1444	3458	1446	1445	0°	Υ	0	V SAVAGE	33	
3	3457	1446	3453	1448	1447	0°	Υ	0		33	
4	3438	1454	3433	1456	1455	45°	Ŷ	0			
5	3444	1452	3440	1453	1453	30°	Y	0			
6		0	200000000000000000000000000000000000000	0		0.					
7	0.00	0	4050450	0							
8	1000 CANAS	0	2000000	0			X SECTION ASSESSMENT		100000		

Duration: 30 min

POST-TEST CLAY VALIDATION:

Rel. Humidity: 35 35 %

Block ID: R9B3
Time of Day: 11:23 HH:mm
Clay Temperature: 98.1 F

		D	rop Numb	er				
Depth of	1	2	3	4	5	Avg.		
Indent:	17	17	16	18	19	17.4		
	Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm							
					Pass:	Yes		

NOTES:

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

Duration: 9 min

b - Insufficient velocity

e - Excessive total impacts (test terminated)

c - Too close to edge

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Firing Data - New Armor - Threat 2

١	Report I	Number:	1190	01-66	-	Repor	rt Date:	01/05/	<u>/12</u>	-	Test Date:	: 12/19/11
	Manuf	facturer:	POINT	BLANK !	SOLUTIONS	S, INC			Ammu	inition:	.357 Mag	158/JSP
		Test ID:	: PBS09-0	001916				Refere	∍nce V∉	elocity:	1430	± 30 ft/s
1	NIJ Arm	or Type:		2				Water	Subme	ersion:	Yes	
	TEST DIM	MENSIONS:			17/20 : 9			Velocity 1: Velocity 2:		5	Lab Technician(s):	J. CONTRERAS M. GOMEZ
							Samp					
Pane'	l Serial f	No:		003	<u></u>		Front P Plate S	Panel Serial No:			N/A	-
PRE-T	FST CLAY	Y VALIDÁTI	ION:					rop Numbe	er			1
		Block ID:			Depth of	1	2	3	4	5	Avg.	
•			1:51		Indent:		20	19	19	19	19.0	1
Cla			100.7			111 N 1 4 1 1 1 1 1 1 1		1,000,000		mm , A	verage: 19 ± 2 mm	1
	•	•			1					Pass:	Yes	
												•
TEST	CONDITION					10-100-100 NATES	ubmersior	n			Firing Sequence	*
		Start	End		,	1:1		HH:mm				HH:mm
		63	1200	F				HH:mm		-		HH:mm
Rel.	. Humidity:	41	41 '	%	Duration:	3/	30 <u> </u>	min	D	uration:	7	min
							FRONT P	PANEL				
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	T	Fair	Perforate		BFŞ		
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Comr	ments
1	3540	1412	3536	1414	1413	0°	Υ	0	Section (1986)	37		
2	3478	1438	3474	1439	1438	O°	Υ	0	0/158250333333	41		A1110121-1214-1-111-1111-1111-1111-1111-1
3	3472	1440	3467	1442	1441	0°	Υ	0		38		
4	3426	1459	3423	1461	1460	45°	Y	0				
5	3//38	1454	3434	1456	1455	300	V	n		(security of a security of a

POST-TEST CLAY VALIDATION:
Block ID:
Time of Day:

Clay Temperature: F

0

0

0

0

0

0

		D				
Depth of	1	2	3	4	5	Avg.
Indent:						
	Require	ements	: All drops:	19 ± 3	mm , A	verage: 19 ± 2 mm
					Pass:	~

NOTES:

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

b - Insufficient velocity

e - Excessive total impacts (test terminated)

c - Too close to edge

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

Perforation and BFS Firing Data - New Armor - Threat 2

Report Number:	11901-66	-	Repor	rt Date:	01/05	/12	_	Test Date:	12/19/11
	POINT BLANK S	OLUTION	S, INC				ınîtion:_	.357 Mag	158/JSP
	PBS09-001916						elocity: _	1430	± 30 ft/s
NIJ Armor Type:	2				Water	Subm	ersion: _	Yes	
TEST DIMENSIONS:	Range Length: Laboratory Range #:		ft.		Velocity 1: Velocity 2:	24.000.000.000.000	7	Lab Technician(s):	J. CONTRERAS M. GOMEZ
Panel Serial No:	007			Samp Back P				N/A	
	001				/C/10/ 110.			1071	
PRE-TEST CLAY VALIDATION	ON:			Dr	rop Numb	er			
Block ID:	R9B1	Depth of	1	2	3	4	5	Avg.	
Time of Day:	2:09 HH:mm	Indent:	18	19	19	18	18	18.4	
Clay Temperature:	99.4 F		Requir	ements:	All drops:	19 ± 3	mm, Ave	erage: 19 ± 2 mm	
							Pass:	Yes	
TEST CONDITIONS: Start Ambient Temp: 63	End 63 F	Start: End:	1.		n HH:mm HH:mm		Start:	Firing Sequence 2:14 2:22	HH:mm HH:mm

							BACK	PANEL			
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.		Fair	Perforate		BFS	
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Comments
1	3471	1441	3468	1442	1441	Оо	Y	0	24/03841/3/	39	
2	3444	1452	3445	1451	1452	0°	Y	0	200	37	
3	3455	1447	3459	1446	1446	00	Υ	0		37	
4	3472	1440	3467	1442	1441	30°	Υ	0	\$5000 \$000 9800 \$000		
5	3417	1463	3412	1465	1464	45°	Y	0	80.50 O.S		
6		0	240.00000000000000000000000000000000000	0		0°	1000000000				N 100 100 100 100 100 100 100 100 100 10
7		0	(A) (A) (A) (A) (A)	0			46500000	64.50.66.66.			
8		0	50.655.055.0	0		100 M					

Duration: 30 min

POST-TEST CLAY VALIDATION:

Block ID: R9B1
Time of Day: 2:31 HH:mm Clay Temperature: 99.1 F

Rel. Humidity: 39 39 %

	Ì	D	rop Numb			
Depth of		2	3	4	5	Avg.
Indent:	18	18	18	19	18	18.2
			verage: 19 ± 2 mm			
					Pass:	Yes

NOTES:

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

min

Duration: 8

b - Insufficient velocity c - Too close to edge

e - Excessive total impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05	5/12	_ Tes	t Date:	12/2	6/11
Manufacturer:	POINT BLAN	K SOLUTIONS, INC	Amr	nunition:	9m	m	124/	/FMJ
Test ID:	PBS	09-001916	•					
NIJ Armor Type:	2		Water Sub	mersion:	N	0		
TEST DIMENSIONS:	Range Length:	17.20 ft.		Velocity 1	5.0	i0 fi	t.	
	Laboratory Range #;	2		Velocity 2:	5,0	iO ft		
	Lab Technician(s):	TRAUTMAN/C	ÆS					
		Sample 11						
		Front Panel						
Panel Serial No:	048		Plate Seria	l No:		N/A		
PRE-TEST CLAY VALIDATION:	_							
Block ID: R2B4			Drop 1	Drop 2	Drop 3	Drop 4 [Orop 5	Avg.
Time of Day: 7:48	HH:mm	Depth of Indent:	20	20	20	19	20	19.8
/ Temperature: 101.8	F	F	Requirements	s: All drop	s: 19 ± 3	mm, Ave	erage: 19	9 ± 2 mm
-							Pass:	Yes
	•							
TEST CONDITIONS:		Firing Se	quence					
Ambient Temp: 64 U	F	Start: 8:	<u>oo</u> -	H:mm				
Rel. Humidity: 40 9	%	End: 8:	13 F	H:mm				
		Duration: 1	3 п	าเก				

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

						BL P	ANEL 1 - Fron	it		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s) (µs)		(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1		3788	1320	3792	1319	1319	S (5 (5 (6)	Х	Y	
2	\$ 100 Sept.	3342	1496	3347	1494	1495		Х	Y	
3		3131	1597	3135	1595	1596		X	Y	
4	\$385 X X X X	2928	1708	2937	1702	1705	Χ		Y	
5	9000000000	3194	1565	3198	1563	1564		X	Y	
6		3036	1647	3041	1644	1646		X	Y	
7	551001557965574	2928	1708	2928	1708	1708		X	Y	
8	500000000000000000000000000000000000000	2834	1764	2834	1764	1764	Х		Y	
9	Water Comment	2910	1718	2915	1715	1717	\$100 m to 4 m to 4 m to 50 m	X	Y	
10	001016760760676	2825	1770	2829	1767	1769	X	35.54.5555.0555.05900	Y	22.00
11		2987	1674	2991	1672	1673	1954 1 CON 1 SAN 1855	Х	Υ	
12		2883	1734	2883	1734	1734		X	Y	
13			0		0		600000000000000000000000000000000000000			
14			0	050:00000000	0	-	000 AFR (650 AFR	gga ana kanana kan		
15		3.50	0	00.000	О				20.000	

12

Count:

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

NIJ Standard-0101.06 July 2008

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05/12	Test Date:	12/26/11
Manufacturer: Test ID:		SOLUTIONS, INC	Ammunition	:9mm	124/FMJ
NIJ Armor Type:	2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Water Submersion	: <u>No</u>	
TEST DIMENSIONS:	Range Length: Laboratory Range #:	17,20 ft. 2	Velocity 1 Velocity 2		
	Lab Technician(s):	TRAUTMAN / CH	HES		
		Sample 11			
		Back Panel			
Panel Serial No:	033		Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION:	_			·	
	HH:mm	Depth of Indent:	Drop 1 Drop 2 20 18	Drop 3 Drop 4 Drop 4 Drop 3 19 2 2 2 2 2 2 2 2 2	19.2
/ Temperature: 100.3	F	IX.	tequirements. An drop		ass: Yes
TEST CONDITIONS:	_	Firing Se	principal de la companie de la comp		
Ambient Temp: 70 Rel. Humidity: 32	F %	Start: 8: End: 8:	Construction of the constr		
Rei. numioliy:	70		3 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

						BL P.	ANEL 1 - Fron	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Res	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1		3761	1329	3765	1328	1329		X	Y	
2		3383	1478	3392	1474	1476		x	Y	
3	\$ 1850 MARK	3162	1581	3167	1579	1580		X	Y	
4		3005	1664	3005	1664	1664	555 155 165 165	X	Υ	
5	100000000	2838	1762	2838	1762	1762	X	68.58.66.66	Y	
6		2721	1838	2721	1838	1838	X	10 100 to 100	Υ	
7	300000000000000000000000000000000000000	3149	1588	3149	1588	1588		X	Y	
8	0.000	2982	1677	2982	1677	1677		X	Y	
9		2915	1715	2924	1710	1713		Х	Y	
10	0.000000000	2856	1751	2861	1748	1749	X		Y	
11		2897	1726	2901	1724	1725	Х		Y	
12		3027	1652	3032	1649	1650	X	Maria Salah Maria	Y	
13			0	(6,5,000,000,000	0					
14	120000000000000000000000000000000000000	1050000	0	190000000000000000000000000000000000000	0		20,000,000,000	802208		
15	5770130 (Zadia)		0	19119631451	0		950 950 255 000	95775971157773	5 (2) (4)	
	<u>'</u> '	<u> </u>		<u> </u>	Count:	12	5	7	12	

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05/12	_ Test Date:	12/26/11
Manufacturer: Test ID:		SOLUTIONS, INC	Ammunition	: 9mm	124/FMJ
		19-001910	-,,,,		
NIJ Armor Type:	2		Water Submersion:	No No	
TEST DIMENSIONS:	Range Length:	17,2 0 ft.	Velocity 1	:fl.	
	Laboratory Range #:	2 30 30	Velocity 2	: 5,00 ft.	
	Lab Technician(s):	TRAUTMAN / C	⊰ES		
		Sample 12			
		Front Panel			
Panel Serial No:	047		Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION:	_				
Block ID: R2ER1			Drop 1 Drop 2	Drop 3 Drop 4 Dro	pp 5 Avg.
Time of Day: 9:10	HH:mm	Depth of Indent:	21 21	20 21 2	1 20.8
/ Temperature: 101.1	F	F	Requirements: All drop	s: 19 ± 3 <i>mm</i> , Avera	ge: 19 ± 2 mm
	L			Pa	ass: Yes
	_				
TEST CONDITIONS:		Firing Se	00000000000000000000000000000000000000		
Ambient Temp: 68 I	=	Start: 9:	14 HH:mm		
Rel. Humidity: 32	%	End: 9:	28 HH:mm		
		Duration: 1	4 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL P	ANEL 1 - Fror	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	12468 W 5517	3725	1342	3725	1342	1342	30.00.00.00.	Х	Y	
2	17 (51 (485))	3441	1453	3441	1453	1453	\$1.00	X	Υ.	
3		3176 -	1574	3176	1574	1574	50.40.60.63	X	Y	
4		3072	1628	3077	1625	1626		Х	Υ	
5		2901	1724	2906	1721	1722	X	\$ 30 KG 45	Υ	
6	100000000000000000000000000000000000000	3036	1647	3036	1647	1647	X		Y	
7	20000000	3225	1550	3230	1548	1549	100 400 400 400	Х	Υ	
8	100000000000000000000000000000000000000	3131	1597	3135	1595	1596	100000000000000000000000000000000000000	Х	Y	
9	50 000 W V COO	3005	1664	3005	1664	1664	X	CONTRACTOR OF THE PARTY OF THE	Ý	
10	Attrices	3158	1583	3158	1583	1583	300000000000000000000000000000000000000	X	Υ	
11	5340000 A 44000 534000 A 44000	3032	1649	3036	1647	1648		Х	Y	
12		2928	1708	2928	1708	1708	Х		Υ	
13			0		0					
14	Zavice a page a		0		0					
15	50000000		0	CONTRACTOR	0					

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05/12	Test Date:	12/26/11
Manufacturer: Test ID:		SOLUTIONS, INC 9-001916	Ammunition	9mm	124/FMJ
NIJ Armor Type:		9-001910	Water Submersion:	No	
TEST DIMENSIONS:	Range Length:	17.20 ft. 2 TRAUTMAN / CF	Velocity 1 Velocity 2 HES		
	<u> </u>	Sample 12	C - Persona Casarianson		
		Back Panel			
Panel Serial No:	020		Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION: Block ID: R2ER1 Time of Day: 9:43 / Temperature: 99:3	HH:mm F	Depth of Indent: F		Drop 3 Drop 4 Drop 18 20 17 s: 19 ± 3 mm , Averag Pas	18.8 e: 19 ± 2 mm
TEST CONDITIONS: Ambient Temp: 67 Rel. Humidity: 32	F %	Language and the second	47 HH:mm :00 HH:mm		

Enter NiJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

						BL P	ANEL 1 - Fron	it		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	500000000000000000000000000000000000000	3761	1329	3761	1329	1329		X	Ý	
2	0.00000000	3450	1449	3450	1449	1449		X	Y	
3	100 C C C C C C C C C C C C C C C C C C	3248	1539	3248	1539	1539		X	Y	
4	0.000.000	3059	1635	3063	1632	1633	X		Y	
5	50000000000	3239	1544	3234	1546	1545	1660,1006,000,000	X	Y	
6	Water (State	3122	1602	3131	1597	1599		X	o sa Y o sa s	
7	2.03.33.1	3023	1654	3018	1657	1655	(83,149), (89,139)	X	Y	
8		2973	1682	2973	1682	1682	S 32.185 100	X	Υ [
9	100000000000000000000000000000000000000	2843	1759	2847	1756	1757	Х		Y	
10		2933	1705	2937	1702	1704	Х		Y	
11		3090	1618	3090	1618	1618		X	Y	
12	3003304884	2951	1694	2951	1694	1694		Х	Y	
13	200000000000000000000000000000000000000		0		0		12501850 0000000			100 100
14	21/04/24/24/24/24/24/24/24/24/24/24/24/24/24		0	CCR// CASA M/ CCAS CCR / CREATER COSES	0				90.0000 050	50.000
15	20200520320000	100100000000000000000000000000000000000	0	(500,100,000)	0			16650/2000/00/00 ES	W 155 155 155 155	
	*			•	Count:	12	3	9	12	

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/0)5/12	_ Tes	st Date:	12/26/11
Manufacturer:		SOLUTIONS, INC	. Am	munition:	9n	nm	124/FMJ
Test ID:		19-001916				1-	
NIJ Armor Type:	2		water Su	bmersion:		lo	
TEST DIMENSIONS:	Range Length:	17.20 ft.		Velocity 1	5,	00ft.	
	Laboratory Range #:	2		Velocity 2	:5.	00 ft.	
	Lab Technician(s):	TRAUTMAN/CHES	PAYNE				
		Sample 13					
		Front Panel					
Panel Serial No:	037		Plate Seri	al No:		N/A	
PRE-TEST CLAY VALIDATION:							
Block ID: R2ER2	Γ		Drop 1	Drop 2	Drop 3	Drop 4 Drop	5 Avg.
Time of Day: 10:16	HH:mm	Depth of Indent:	21	21	20	20 20	20.4
/ Temperature: 101.1	F	F	Requiremen	its: All drop	s: 19 ± 3	3 mm , Average	
	L					Pas	s: Yes
TEST CONDITIONS:		Firing Se	епиелсе				
Ambient Temp: 68	F	4 55 A 550 A 5	:21	HH:mm			
Rel. Humidity: 32	%	has a more and a more a more and	:34	HH:mm			
		0.000	3	min			

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL P	ANEL 1 - Fron	it		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	20000000	3765	1328	3774	1325	1326	8.8.9.6	Х	Y	
2	SAVESSEAVE	3392	1474	3396	1472	1473		Х	Y	
3		3167	1579	3176	1574	1577		Х	Y	
4	2012/2012/20	3059	1635	3063	1632	1633		X	Υ	
5	303510311	2883	1734	2888	1731	1733	Х		Y	
6	Section 1	3009	1662	3009	1662	1662	X		Y	
7	400000000000000000000000000000000000000	3113	1606	3113	1606	1606	Ay 15 Street and	Х	Y	
8	0.0000000000000000000000000000000000000	3086	1620	3086	1620	1620	190 (200 (300 (300	Х	Υ	
9	10.000 P.000 LC	2964	1687	2969	1684	1685	X		Υ	
10		3122	1602	3122	1602	1602		X	Υ	A
11		2991	1672	3000	1667	1669		X	Υ	
12		2915	1715	2919	1713	1714		X	Υ	
13	110000000000000000000000000000000000000	2.68	0		0					
14	TA SALES OF SECURE	3.680.652.67	0	(30), 49, (30)	0		35.33.33.33.35.			
15	5.655.455.4	2.03000000	0	CALASCA ACES	0			20.000.000.000	Jacobski staniška	

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

12

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05/12	_ Test Date:	12/26/11
Manufacturer:		SOLUTIONS, INC	Ammunition	:9mm	124/FMJ
Test ID:	PBS(09-001916			
NIJ Armor Type:	2		Water Submersion	: <u>No</u>	
TEST DIMENSIONS:	Range Length:	17.20 ft.	Velocity 1	: 5,00 ft.	
	Laboratory Range #:	2	Velocity 2	t: 5,00 ft.	
	Lab Technician(s):	TRAUTMAN / CHES	PAYNE		
	_	Sample 13			
		Back Panel			
Panel Serial No:	025		Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION:					
Block ID: R2ER2	Γ		Drop 1 Drop 2	Drop 3 Drop 4 Drop	5 Avg.
Time of Day: 10:51	HH:mm	Depth of Indent:	20 18	17 18 19	18.4
/ Temperature: 98.8	F	F	Requirements: All drop	os: 19 ± 3 mm , Average	∋: 19 ± 2 mm
<u></u>				Pas	s: Yes
TEST CONDITIONS:		Eiring S			
100 CONTRACTOR (CONTRACTOR (CO	-	Firing Se	POSTANIO NATIONALI NA NANCONA		
Ambient Temp: 68	r o/	Start:10	and the state of the state of		
Rel. Humidity: 32	%	End: 11	Programme and the control of		
		Duration: 1	5 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

	BL PANEL 1 - Front													
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used					
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks				
1	100000000000000000000000000000000000000	3639	1374	3644	1372	1373	(5), (5), (6), (6),	X	Y					
2	1.1650 (35 m)	3405	1468	3410	1466	1467	io in a se	Х	Y					
3		3216	1555	3216	1555	1555	352.652.6378.653	X	Y					
4	200000000000000000000000000000000000000	3050	1639	3054	1637	1638	X		Y					
5	8288188888	3221	1552	3221	1552	1552		X	Y					
6		3131	1597	3131	1597	1597		Х	Y					
7		2946	1697	2951	1694	1696	X		Y					
8		3099	1613	3108	1609	1611	20.000.000	X	Y					
9	\$1000000000	2978	1679	2982	1677	1678	Х		Y					
10	2000/2008	3077	1625	3072	1628	1626	X	45 (25)	Y					
11	0.0000000000000000000000000000000000000	3297	1517	3302	1514	1515	200 (0.00)	Х	Y					
12		3158	1583	3158	1583	1583		Х	Y					
13	010001000000		0	GDANES (1992)	0		200							
14			0		0									
15			0		0									

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05/12	_ Test Date:	12/27/11
Manufacturer:		SOLUTIONS, INC	Ammunition	9mm	124/FMJ
Test ID:	PBS0	9-001916			
NIJ Armor Type:	2		Water Submersion:	No	
TEST DIMENSIONS:	Range Length:	17.20 ft.	Velocity 1	f1.	
	Laboratory Range #:	2	Velocity 2	:ft.	
	Lab Technician(s):	GOMEZ/TRAÚTN	1AN		
	_	Sample 14	_		
		Front Panel			
Panel Serial No:	056		Plate Serial No:	N/A	_
PRE-TEST CLAY VALIDATION:	_				
Block ID: R2B4			Drop 1 Drop 2	Drop 3 Drop 4 Dro	
Time of Day: 9:10	HH:mm	Depth of Indent:	22 20	21 21 2	
/ Temperature: 99.8	F	R	equirements: All drop	s: 19 ± 3 mm , Avera	ge: 19 ± 2 mm
-				Pa	ss: Yes
TEST CONDITIONS:	_	Firing Se	quence		
Ambient Temp: 65	F	Start: 9:1	<u>15</u> HH:mm		
Rel, Humidity: 35	%	End: 9:3	BO HH:mm		
		Duration: 1:	5 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL P	ANEL 1 - Fror	t		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	2.05 3.00	3740	1337	3740	1337	1337	6.09.53.56	_ X	Y	
2		3356	1490	3356	1490	1490		X	Y	
3		3144	1590	3149	1588	1589		Х	Y	
4		2969	1684	2969	1684	1684	Х		Y	
5		3234	1546	3234	1546	1546		X	Y	
6	000000000000000000000000000000000000000	3126	1599	3135	1595	1597		х	Y	
7		3009	1662	3009	1662	1662	X		Y	
8	51/08/11/90/01	3153	1586	3153	1586	1586		х	Ŷ	
9		3122	1602	3126	1599	1601	43-11-15-14-14-14-14-14-14-14-14-14-14-14-14-14-	X	Y	All for the second seco
10		3000	1667	3005	1664	1665	lador e de la composição de la composiçã	X	Ý	
11		2933	1705	2933	1705	1705		X	Y	
12		2838	1762	2843	1759	1760		Х	Υ	
13	188	ANASONE EAR	0	Con Concesso	0		56.1821.634.688	a. 35. 35. 45.		
14		(decision)	0	50 0 0 0 MM	0			ye negoción ción		
15		100000000	0					8. 65. 66. 66.	5.086.050.050	

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

12

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05/12	_ Test Date:	12/27/11
Manufacturer:		SOLUTIONS, INC	Ammunition	:9mm	124/FMJ
Test ID:		9-001916			
NIJ Armor Type:	2		Water Submersion:	: <u>No</u>	
TEST DIMENSIONS:	Range Length:	17,20 ft.	Velocity 1	. 5,00 ft.	
	Laboratory Range #:	2	Velocity 2	5,00 ft.	
	Lab Technician(s):	GOMEZ/TRAUT	/AN		
	_	Sample 14			
		Back Panel			
Panel Serial No:	021		Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION:					
Block ID: R2B4			Drop 1 Drop 2	Drop 3 Drop 4 Drop	5 Avg.
Time of Day: 9:45	HH:mm	Depth of Indent:	20 20	20 20 19	19.8
/ Temperature: 99.5	F	F	lequirements: All drop	os: 19 ± 3 mm , Averag	e: 19 ± 2 mm
				Pas	ss: Yes
	_		•		
TEST CONDITIONS:		Firing Se	Stranth Earl Ash Say of Says		
	F		55 HH:mm		
Rel. Humidity: 35	%		:10 HH:mm		
		Duration: 1	5 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL P	ANEL 1 - Fron	it		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	0.000	3837	1303	3837	1303	1303	30,000,000,000	X	Y	
2	100 A SEC. 10	3491	1432	3491	1432	1432	80.82.00	X	Y	
3	88.768337	3234	1546	3239	1544	1545	331.635 ABB (BB)	X	Y	
4	1000000	3135	1595	3135	1595	1595	50.25.05.05.	X	Y	
5	003/19903	2897	1726	2892	1729	1727	X	8.68.88.88	Y	No.
6	6000	3014	1659	3014	1659	1659	X		Y	
7		3180	1572	3180	1572	1572	9869	X	Y	
8	3666630M	3045	1642	3050	1639	1641		X	Y	
9		2955	1692	2960	1689	1691	X	9 (5 (5) (5)	Y	
10	0.0000000000000000000000000000000000000	3027	1652	3032	1649	1650	Х	5 63 55 63	Y	
11		3189	1568	3194	1565	1567		X	Y	
12	7/86/5/88/5/8	3117	1604	3117	1604	1604	9/14/31/95/1993	X	Y	
13	200000000000000000000000000000000000000		0	CONTRACTOR STATE	0				58 (59) 1035 103 (5	
14			0	0.000	0		0.000	97.000.000.000		
15	200000		0		0					

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/0	5/12	Tes	st Date:	12/2	27/11
Manufacturer: Test ID:		SOLUTIONS, INC 0-001916	. Am	munition:	9n	nm	124	/FMJ
NIJ Armor Type:			Water Su	bmersion:	N	lo		
TEST DIMENSIONS:	Range Length:	17,20 ft. 2 GOMEZ/TRAUTA	J AN	Velocity 1: Velocity 2:		00 ft. 00 ft.		
		Sample 15						
		Front Panel						
Panel Serial No: PRE-TEST CLAY VALIDATION:	041		Plate Seri	al No:		N/A		
Block ID: R2ER1	Г		Drop 1	Drop 2	Drop 3	Drop 4 Dr	op 5	Avg.
Time of Day: 10:20	HH:mm	Depth of Indent:	18	19	20	10000 - 01 101 100000	18	19.2
/ Temperature: 99.8	F	R	Requiremen	ts: All drop	s; 19 ± 3	3 mm , Aver F	age: 19 Pass:	9 ± 2 mm Yes
TEST CONDITIONS:		Firing Se	CONTENT OF THE PROPERTY OF					
Ambient Temp: 67	F	communicación de de 1875 A	:25	HH:mm				
Rel. Humidity: 33	·%	200000000000000000000000000000000000000	:41 6	HH:mm min				

Enter Nij Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL P	ANEL 1 - Fron	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Ųsed	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	0.0000000000000000000000000000000000000	3824	1308	3828	1306	1307	60.001.000.00	X	Y	
2	775W 657/8	3401	1470	3401	1470	1470		X	Y	
3		3171	1577	3176	1574	1576		X	Y	
4		2987	1674	2991	1672	1673	X		Y	
5	17765200000	3126	1599	3126	1599	1599		X	Y	
6	0.0000000000000000000000000000000000000	3045	1642	3045	1642	1642	(500) (500)	X	Y	
7	2005) 1000 C	2942	1700	2942	1700	1700	150 7574 555 1500	X	Y	
8		2861	1748	2865	1745	1746	Χ	61 (61 (61 (61)	Ÿ	
9		2919	1713	2919	1713	1713	X	are on the standard	Ý	
10		2960	1689	2964	1687	1688	X		Y	
11		3126	1599	3131	1597	1598	X		Y	
12	5.000.000	3027	1652	3027	1652	1652		х	Ÿ	
13		400.00	0	95,55,55	0		90, 50, 50, 50,	54 655 85 656	0.000.000	
14	100000000000000000000000000000000000000	0.0084-00064-007	0		0			45, 65, 65,		
15	10000000	Victoria de la	0	300480450	0					

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05/12	Test Date	: 12/27/11
Manufacturer:	POINT BLANK	SOLUTIONS, INC	Ammuniti	ion: 9mm	124/FMJ
Test ID:	PBS09	9-001916	_		
NIJ Armor Type:	2		Water Submersi	ion: No	-
TEST DIMENSIONS:	Range Length:	17,20 ft.	Veloc	city 1: 5.00	<u></u>
	Laboratory Range #:	2	Veloc	ity 2: 5,00	ft.
	Lab Technician(s):	GOMEZ/TRAUTI	MAN		
	_	Sample 15			
		Back Panel			
Panel Serial No:	029		Plate Serial No:	N/A	<u>.</u>
PRE-TEST CLAY VALIDATION:	_				
Block ID: R2ER1			Drop 1 Drop	2 Drop 3 Drop 4	
Time of Day: 10:53	HH:mm	Depth of Indent:	20 20	20 20	18 19.6
/ Temperature: 99.2	F	F	Requirements: All o	irops: 19 ± 3 mm , A	•
					Pass: Yes
	_				
TEST CONDITIONS:		Firing Se	equence		
Ambient Temp: 67	F	Start: 10	:56 HH:mm		
Rel. Humidity: 34	%	End: 11	:10 HH:mm		
		Duration:	l4 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL P	ANEL 1 - Fron	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	A0886 (1822A) (1	3779	1323	3783	1322	1322	83.48. (S) (SA)	X	Y	
2	000000000000000000000000000000000000000	3455	1447	3459	1446	1446	62.652.554.65	Х	Y	
3		3185	1570	3189	1568	1569		Х	Y	
4	00000000	3000	1667	3005	1664	1665	≥ ≥ X		Y	
5	1800	3176	1574	3176	1574	1574		X	Υ	
6	1750775070	3113	1606	3113	1606	1606		Х	Y	
7	200000000000000000000000000000000000000	3014	1659	3014	1659	1659		X	Y	
8	200000000000	2906	1721	2910	1718	1719	Х		Y	
9	20050000000	2951	1694	2955	1692	1693	X		Υ	
10	4000	3054	1637	3059	1635	1636	X		Y	
11	0.0000000000000000000000000000000000000	3239	1544	3243	1542	1543	Straight and	X	Y	
12	000000000000000000000000000000000000000	3140	1592	3140	1592	1592	60.000.000	X	Y	
13			0		0		93/403/0095			
14			0	150 (125 (125 (125 (125 (125 (125 (125 (125	0					
15	100000000000000000000000000000000000000		0	100000000000000000000000000000000000000	0					

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT NIJ Standard-0101.06 July 2008

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:	01/05/12	_ Test Date:	12/21/11
Manufacturer:	POINT BLANK	SOLUTIONS, INC	Ammunition	:357 Mag	158/JSP
Test ID:	PB\$(09-001916			
NIJ Armor Type:	2		Water Submersion:	: <u>No</u>	
TEST DIMENSIONS:	Range Length:	17.20 ft.	Velocity 1	. 5:00 fl.	
	Laboratory Range #:	2 9 9 9	Velocity 2	: 5,00 ft.	
	Lab Technician(s):	ADAMS/TRAUTMAN			
	-	Sample 16			
		Front Panel			
Panel Serial No:	046		Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION:	_				
Block ID: R2B4	Ī		Drop 1 Drop 2	Drop 3 Drop 4 Dr	op 5 Avg.
Time of Day: 10:20	HH:mm	Depth of Indent:	21 21		20 20.6
/ Temperature: 101.2	F	F	Requirements: All drop	os: 19 ± 3 mm , Aver	age: 19 ± 2 mm
-				P	ass: Yes
	_				
TEST CONDITIONS:		Firing Se	equence		
Ambient Temp: 69	F	Start: 10	:25 HH:mm		
Rel. Humidity: 32	%	End: 10	:40 HH:mm		
		Duration:	5 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

						BL P	ANEL 1 - Fror	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	Villegal Co.	3473	1440	3482	1436	1438	2.68.68.68	X	Y	
2	1796 (3) (3)	3302	1514	3311	1510	1512		X	Y	
3	200000000000000000000000000000000000000	3144	1590	3135	1595	1593		X	Y	
4	3305000A300	3059	1635	3068	1630	1632	X		Y	
5		3135	1595	3144	1590	1593		X	Ÿ	
6	0.050076(0.04)	3099	1613	3108	1609	1611		X	Y	
7	A178222-05-110	3027	1652	3036	1647	1649	Χ		Y	
8	0.000	3131	1597	3140	1592	1595	1991-1992	X	Y	
9	97905038000	3027	1652	3036	1647	1649	X	Res discussion region	Y	
10	9 9 9 9 9 9	3077	1625	3086	1620	1623	X		Y	
11	100000000000000000000000000000000000000	3167	1579	3180	1572	1576		Х	Υ	
12		3086	1620	3090	1618	1619	X		Ÿ	
13	100000000000000000000000000000000000000		0	September 1980:	0		Superior in			
14	100000	0.0000000000000000000000000000000000000	0	60.000.000	0		5.00	6.461.66.60		
15			0	350 550 555	0		2010 SATA WELL SHARE	500-000-000-000-0	5.550.551.650.6	

Count: 12 5 7 1

Remarks: a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:	01/0	5/12	Test	Date: 12	2/21/11
Manufacturer:	POINT BLANK	SOLUTIONS, INC	Am	munition:	.357 M	ag 16	88/JSP
Test ID:	PBS	09-001916	_				
NIJ Armor Type:	2		Water Sul	omersion:	No		
TEST DIMENSIONS:	Range Length:	17,20 ft.		Velocity 1:	5,00	granda ft.	
	Laboratory Range #:	2		Velocity 2:	5,00	ft.	
	Lab Technician(s)	ADAMS/TRAUTMAN					
		Sample 16					
		Back Panel					
Panel Serial No:	018		Plate Seria	al No:		N/A	_
PRE-TEST CLAY VALIDATION:							
Block ID: R2B4			Drop 1	Drop 2	Drop 3 D	rop 4 Drop 5	Avg.
Time of Day: 10:51	HH:mm	Depth of Indent:	20	20	20	21 20	20.2
/ Temperature: 99.7	F	Ē	Requirement	ts: All drop	s: 19 ± 3 n	ım, Average:	19 ± 2 mm
·						Pass:	Yes
TEST CONDITIONS:		Firing S	eauence				
Ambient Temp: 68	F	A 1997	SCHOOL STREET, AND SHARE STREET, SHIP	HH:mm			
Rel. Humidity: 32		End: 11	:10	HH:mm			
		Duration:	5	min			

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL P.	ANEL 1 - Fron	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
Νo.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	94500000000000	3549	1409	3545	1410	1410	58.000 (0.000	X	Y	
2	7.000 M (A)	3306	1512	3297	1517	1514	(5) (2) (8) (8)	Х	Y	
3		3135	1595	3126	1599	1597	X	20 SE 183 ACE	Y	
4	100000	3392	1474	3387	1476	1475	62.63.43.75	X	Y	
5	100000000	3203	1561	3216	1555	1558	80.00.00	X	Y	
6	1880.0000	3135	1595	3140	1592	1594		X	Y	
7		3077	1625	3086	1620	1623		X	Y	
8	20020000	2960	1689	2964	1687	1688	X		Y	
9		3045	1642	3054	1637	1640	X		Y	
10		3086	1620	3095	1616	1618	X	80.000.000	Υ	
11		3222	1552	3222	1552	1552		Х	Υ	
12	STANSFALSE	3131	1597	3140	1592	1595	Χ	500,000,000	Y	
13	UNDSTANCED (1)	9/41/20/V/4/20/V/s-	0	200000000000	0	***	15774-1507-1278-1470	Paradi New Year		
14		E CASSO SERVICIO DA	0		0					
15			0	han each rise	0					None de la companya

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:	01/05/12		Test Date: 12	/21/11
Manufacturer:		K SOLUTIONS, INC	Ammun	ition:	.357 Mag 15	8/JSP
Test ID: NIJ Armor Type:	2	09-001916	Water Submer	sion:	No	
TEST DIMENSIONS:	Range Length: Laboratory Range #:	17:20 ft. 2		ocity 1: ocity 2:		
	Lab Technician(s):	ADAMS/TRAUTMAN Sample 17	<u> </u>			
		Front Panel				
Panel Serial No:	045		Plate Serial No	:	N/A	
PRE-TEST CLAY VALIDATION:						
Block ID: R2ER5				pp 2	Drop 3 Drop 4 Drop 5	
	HH:mm 	Depth of Indent:	and the middle of the factority of the factority	20	19 20 19	19.6
/ Temperature:101.4	F	r	requirements. An	i arop:	s: 19 ± 3 mm , Average: Pass:	Yes
TEST CONDITIONS: Ambient Temp: 68	F	Firing Se Start: 1:	CONTRACTOR ACTION OF THE PROPERTY OF THE PROPE	m		
Presentation of the Presen	%	#SHIRLD # SHIRLD # S	35 HH:mr			
·		Duration: 1	4 min			

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

						BL P.	ANEL 1 - From	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1		3513	1423	3513	1423	1423		X	Y	
2		3333	1500	3347	1494	1497		X	Υ .	
3		3131	1597	3135	1595	1596		X	Y	
4		3059	1635	3068	1630	1632	X		Ŷ	
5	000000000	3216	1555	3225	1550	1553		X	Y	
6	0.0000000000000000000000000000000000000	3095	1616	3099	1613	1614		Х	Y	
7		3068	1630	3077	1625	1627	X		Ý	
8	54/6000000000	3095	1616	3099	1613	1614	X	320 (322 (312 (495)	Ÿ	
9	61/00/60/Decous	3243	1542	3261	1533	1538	(C) 1000 (1000)	X	Y	
10	200	3203	1561	3216	1555	1558	X		Ŷ	
11	100000000000000000000000000000000000000	3243	1542	3252	1538	1540		X	Y	
12		3149	1588	3158	1583	1586		X	Y	
13	11000000000	2000	0		0		Sausa danas			
14	0.6600.000.00	A 664 (664 (6)	0	5500000000	0					
15	3430000000	A COLOR	0		0		50.020.000.000			

Count: 12 4 8

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

12

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:	01/05/12	Test Date:	12/21/11
Manufacturer:		SOLUTIONS, INC	Ammunition:	357 Mag	158/JSP
Test ID:		9-001916			
NIJ Armor Type:	2		Water Submersion:	No	
TEST DIMENSIONS:	Range Length: Laboratory Range #: Lab Technician(s):	17,20 ft. 2 ADAMS/TRAUTMAN	Velocity 1: Velocity 2:		
		Sample 17			
		•			
		Back Panel			
Panel Serial No:	019	nt - 10.0	Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION:					
Block ID: R2ER5	Г		Drop 1 Drop 2	Drop 3 Drop 4 Drop	5 Avg.
	HH:mm	Depth of Indent:	21 20	20 19 19	
/ Temperature: 100.0	E		Requirements: All drop		
r remperatures	Ĺ			Pas	·
TEST CONDITIONS:		Firing Se	equence		
Ambient Temp: 68	F	52.576 - 52.507 (52.50 A) WEIGHT	47 HH:mm		
Rel. Humidity: 32	• o∠		00 HH:mm		
Rei. Humidity.	70		and the second second second		
		Duration: 1	3 mìn		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

						BL P	ANEL 1 - Fron	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Result		Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1		3530	1416	3530	1416	1416	25 AN ESS ESS	X	Y	
2	100000000000000000000000000000000000000	3329	1502	3320	1506	1504		X	Y	
3		3113	1606	3113	1606	1606	X	30 ASS (60 ASS)	Y	
4	NAME OF THE OWNER, OF	3329	1502	3338	1498	1500	S. 25. 75. 50.	X	Y	
5		3212	1557	3216	1555	1556	52.558 (8) (6)	X	Y	
6	\$188X10259.00	3099	1613	3108	1609	1611	20.000.000.000	X	Y	
7	100000000000000000000000000000000000000	3023	1654	3023	1654	1654	X	8.8.5.6	Y	
8	1000000	3158	1583	3167	1579	1581	X		Y	
9	70000000	3284	1523	3293	1518	1520	X		Y	
10		3423	1461	3423	1461	1461	930 (50) (56)	Х	Y	
11	10000100000	3360	1488	3369	1484	1486	200000000000000000000000000000000000000	X	Y	
12	1000000	3248	1539	3257	1535	1537		X	Y	
13	999000000000000000000000000000000000000	A1000 (000 (000)	0	(3) (300)	0		501-501-580-046	Ulvastration above		
14	Association (is hadely drawning	0	100000000000000	0		200 000 000 000			
15	A 1150 X 1150 X 1		0	120000000000000000000000000000000000000	0		190110000000000000000000000000000000000	50.050.000.000	process contracts of professional	

Remarks:

a - Too close to edge

b - Too close to prior impact

NIJ Standard-0101.06 July 2008e

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:	01/05/12	Test Date:	2/21/11
Manufacturer:		K SOLUTIONS, INC	. Ammunition:	.357 Mag	158/JSP
Test ID:		09-001916	•		
NIJ Armor Type:	2		Water Submersion:	No	
TEST DIMENSIONS:	Range Length: Laboratory Range #: Lab Technician(s):	17:20 ft. 2 ADAMS/TRAUTMAN	Velocity 1 Velocity 2	5,00 ft. 5,00 ft.	
		Sample 18			
		Front Panel			
		FIOREFAILE			
Panel Serial No:	042		Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION:					
Block ID: R2ER6			Drop 1 Drop 2	Drop 3 Drop 4 Drop	5 Avg.
	HH:mm	Depth of Indent:		20 20 20	20.4
/ Temperature: 100.6	F	•		s: 19 ± 3 mm, Average	
<u> </u>				Pas	
TEST CONDITIONS:		Firing Se	equence		
Ambient Temp: 68	F	Start: 2:	15 HH:mm		
Rel, Humidity: 33	%	End: 2:	30 HH:mm		
		Duration: 1	5 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

12

						BL P	ANEL 1 - Fror	nt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel, Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	10000000	3522	1420	3540	1412	1416	E 151 A 151 A 151	X	Υ	
2	100.00.0	3279	1525	3288	1521	1523	82 183 188 188	X	Y	
3		3081	1623	3090	1618	1620	X	8 P 0 E	Y	
4	0.0000000000000000000000000000000000000	3248	1539	3257	1535	1537		X	Ŷ	
5		3194	1565	3198	1563	1564		Х	Y	
6	10000000	3180	1572	3194	1565	1569		Х	Y	
7		3090	1618	3099	1613	1616		Х	Y	
8	1002010000	3032	1649	3036	1647	1648	X		Y	
9	0.0000000000000000000000000000000000000	3113	1606	3122	1602	1604		Х	Ý	
10	en seen like of	3023	1654	3027	1652	1653	X		Y	
11	11/03/01/03/04/0 11/03/01/03/04/04	3068	1630	3077	1625	1627	X	25 25 25 25	Y	
12		3122	1602	3126	1599	1601		X	Υ	
13			0	militadi Ale-	0		Sec. 100 (100 A)	50.00.00.00		
14	846 A 456 A	1.6866	0	900000000000	0		65 (53) (68) (69)			
15			0		0					

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

12

NIJ Standard-0101.06 July 2008e

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:	01/0	5/12	Tes	t Date:	12/21/	11
Manufacturer:		K SOLUTIONS, INC	Am	munition:	.357	Mag	158/JS	SP
Test ID:	PB\$	09-001916						
NIJ Armor Type:	2		Water Sul	mersion:	N	0		
TEST DIMENSIONS:	Range Length:	17.20 ft.		Velocity 1:	5.0)O ft.		
ı	Laboratory Range #:	2		Velocity 2:	5.0)0 ft.		
	Lab Technician(s):	ADAMS/TRAUTMAN		,				
		Sample 18						
		Back Panel						
Panel Serial No:	013	11 - 11	Plate Seria	al No:		N/A		
PRE-TEST CLAY VALIDATION:	_							
Block ID: R2ER6	ĺ		Drop 1	Drop 2	Drop 3	Drop 4 Dro	p 5	Ávg.
Time of Day: 2:40	∃H:mm	Depth of Indent:	19	19	18	18 1	7	18.2
/ Temperature: 99.3 F	.	F	Requiremen	ts: All drops	s: 19 ± 3	mm, Avera	ge: 19 ±	2 mm
						Pa	ass:	Yes
TEST CONDITIONS:		Firing Se	avience.					
Ambient Temp: 68 F		11,000 (11,000,000,000,000,000,000,000,000,000,	asianianan arabah	HH:mm				
	.							
	- %		additional and the state of	mm:mm HK:mm				

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

						BL P	ANEL 1 - Fron	it		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(բs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	William State	3473	1440	3482	1436	1438		X	Y	
2		3252	1538	3261	1533	1535		X	Y	
3	10,000,000,000	3131	1597	3126	1599	1598	X	E	Y	
4	14.64 (45.46	3261	1533	3270	1529	1531	201.000.000.000	X	Y	
5	V.Sig.V.S.A.)	3149	1588	3153	1586	1587	0.000.000.000	X	Y	
6	333333333	3050	1639	3059	1635	1637		X	Y	
7		3059	1635	3063	1632	1633		X	Y	
8		2942	1700	2946	1697	1698	X		Y	
9		3072	1628	3081	1623	1625	X		Y	
10	775	3122	1602	3126	1599	1601	X	6 3 6 6	Y	
11	945 CPA	3144	1590	3153	1586	1588		X	Y	
12	STANCHUNCTUR	3117	1604	3122	1602	1603	Х	66.00	Y	
13	244000000000000000000000000000000000000	XX48910 (AXXII) (C	0	000000000000000000000000000000000000000	0		20/02/03/03			
14	315300000000	200000000000000000000000000000000000000	0		0		40100000000000			
15	400000000000000000000000000000000000000	200000000000000000000000000000000000000	0	950000000000	0		500000000000000000000000000000000000000	500000000000000000000000000000000000000		

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

12

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:	01/05/12	Test Date:	12/21/11
Manufacturer:		SOLUTIONS, INC	Ammunition:	.357 Mag	158/JSP
Test ID:	PBS(9-001916	-		
NIJ Armor Type:	2		Water Submersion:	No	
TEST DIMENSIONS:	Range Length:	17,20 ft.	Velocity 1:	5.00 ft.	
	Laboratory Range #:	2	Velocity 2:	5.00 ft.	
	Lab Technician(s):	R.TRAUTMAN/ M.S	HEAHY		
	-	Sample 19			
		Front Panel			
Panel Serial No:	051	no :	Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION:					
Block ID: R2B4	Γ		Drop 1 Drop 2	Drop 3 Drop 4 Dro	p5 Avg.
Time of Day: 4:30	HH:mm	Depth of Indent:	20 20	19 19 2	1 19.8
/ Temperature: 100.4	F	F	Requirements: All drop		
	L			Pa	iss: Yes
TEST CONDITIONS:		Firing Se	equence		
Ambient Temp: 70	F	Start: 4:	35 HH:mm		
Rel, Humidity: 50	%	End: 4:	57 HH:mm		
		Duration: 2	2 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL P	ANEL 1 - Fron	it		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1		3473	1440	3482	1436	1438		х	Υ	
2		3149	1588	3158	1583	1586	68.88.61	X	Y	
3	1000000	3090	1618	3099	1613	1616	9 9 6 6	X	Y	
4		2861	1748	2861	1748	1748		X	Y	
5	028903608	2730	1831	2735	1828	1830	X		Y	
6		2807	1781	2816	1776	1778	X	99.96	Y	
7	0.0000000000000000000000000000000000000	2955	1692	2964	1687	1689	X		Υ	
8	14220153100	3086	1620	3090	1618	1619	2016/01/02/04	X	Y	
9	er begygneren var	2951	1694	2960	1689	1692	548005600500000000	Х	Ý	
10	21.000321.0003.000 20.000321.0003	2834	1764	2838	1762	1763	X		Y	
11		2942	1700	2955	1692	1696	150000000000000000000000000000000000000	X I	Υ	
12		2834	1764	2838	1762	1763	X		Ŷ	
13	100000000000000000000000000000000000000	40000000	0		0		20.000.000			
14	10000000	(atanga (a)	0		0		30. (\$20.000)	50.000	SALTA MALINADA	
15	V. 60 (18 8) 8	/48.08.08	0	530 AN (53)			22.723.703.1133	100000000000000000000000000000000000000		

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:	01/05/12	Test Date:	12/21/11
Manufacturer: Test ID:		SOLUTIONS, INC	Ammunitio	on:357 Mag	158/JSP
NIJ Armor Type:		09-001910	Water Submersio	on: No	
Mis Affilor Type.			Water Submersio	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
TEST DIMENSIONS:	Range Length:	17.20 ft.	Velocit	y 1:ft.	
	Laboratory Range #:	2	Velocit	y 2: 5.00 ft.	
	Lab Technician(s):	R.TRAUTMAN/ M.S	HEAHY		
		Sample 19			
		Back Panel			
Panel Serial No:	017		Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION:	_				
Block ID: R2B4			Drop 1 Drop		
	HH:mm	Depth of Indent:		20 19	19 19.4
/ Temperature:100.2	F	F	Requirements: All dr	ops: 19 ± 3 mm , Ave	•
	L				Pass: Yes
TEST CONDITIONS:		Firing Se	equence		
Ambient Temp: 71	F	1994 (1994 - 1995) (1994 - 1995)	15 HH:mm		
Rel Humidity: 50	%	End: 5:	36 HH:mm		
·		Duration: 2	:1 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL P.	ANEL 1 - Fron	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	0.000 000 000 000 000 000 000 000 000 0	3410	1466	3414	1465	1465		X	Y	
2	0.000000000000000000000000000000000000	3185	1570	3185	1570	1570	Χ	2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2	Y	
3		3365	1486	3369	1484	1485	5-5-5-5	X	Y	
4		3153	1586	3162	1581	1584	1851 - 1751 - 1751 - 1750 - 1750 - 1750 - 1750 - 1750 - 1750 - 1750 - 1750 - 1750 - 1750 - 1750 - 1750 - 1750	X	Υ	
5		3104	1611	3113	1606	1608		X	Ý	
6	2000000000	2982	1677	2991	1672	1674	60.020.000.000	X	Y	
7	0.0000000000000000000000000000000000000	2901	1724	2906	1721	1722	X	sa inforces into	Y	100 101 101 101 101 101 101 101 101 101
8		2955	1692	2960	1689	1691	8 5 9 8	X	Y	
9		2816	1776	2820	1773	1774		X	Y	
10		2681	1865	2685	1862	1864	X	8.8.8.2	Y	
11		2807	1781	2811	1779	1780	X	9988	Y	
12		2870	1742	2874	1740	1741	X		Y	
13			0		0		500000000000000000000000000000000000000			
14	40201703	30050765088	0		0					
15	\$10,500,000,000	500000500E	0	570 (80 (60)	0		her resources	95/9821992/552/		

Remarks:

a - Too close to edge

b - Too close to prior impact

c - Impact on seam

12

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:	01/05/12	Test Date: 12	/22/11
Manufacturer: Test ID:		K SOLUTIONS, INC	Ammunition:	.357 Mag 15	88/JSP
NIJ Armor Type:	2	09-001916	Water Submersion:	No	
TEST DIMENSIONS:	Range Length: Laboratory Range #: Lab Technician(s):	17,20 ft. 2 ADAMS/TRAUTMAN	Velocity 1 Velocity 2:		
	•	Sample 20			
		Front Panel			
Panel Serial No:	050		Plate Serial No:	N/A	-
	HH:mm F	Depth of Indent:		Drop 3 Drop 4 Drop 5 20 19 20 s: 19 ± 3 mm, Average: Pass:	20.2 19 ± 2 mm
	ļ			Fass.	162
TEST CONDITIONS: Ambient Temp: 68	F	and a state operate of the state of the stat	50 HH:mm		
Rel. Humidity: 32	%	End: 9: Duration: 1	04 HH:mm 4 min		

Enter NiJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

12

						BL P	ANEL 1 - Fron	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Res	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	100000000	3478	1438	3478	1438	1438		Х	. Y .	
2		3338	1498	3347	1494	1496		X	Υ	
3		3113	1606	3117	1604	1605		Х	Y	
4		3031	1650	3031	1650	1650		X	Y	
5		2856	1751	2865	1745	1748	X		Y	
6	917510200	3059	1635	3068	1630	1632	Х		Y	
7	2560 (200	3210	1558	3219	1553	1555		X	Y	
8	and seat the sea	3140	1592	3149	1588	1590		X	Y	
9	9000000000000	3002	1666	3008	1662	1664	X		Y	
10		3095	1616	3104	1611	1613	X		Y	
11		3122	1602	3131	1597	1599	X		Y	
12		3230	1548	3239	1544	1546	30,000,000,000	X	Y	
13	100000		0		0		A 100 A	100.000.000.000	0.000.000.000.00	
14	5045.000	155 SEE SEE	O	ALCO (1886 - 1881 -	0		Maria (S. A.S.	Section Section	2000 00 000	
15	25375685	ASSESSABLE.	0		0					

Remarks:

a - Too close to edge

b - Too close to prior impact

12

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - New Armor - Threat 2

Report Number:	11901-66	Report Date:	01/05	/12	Test Date:	12/2	2/11
Manufacturer:	POINT BLANK	SOLUTIONS, INC	Amr	nunition:	.357 Mag	158/	/JSP
Test ID:	PBS	09-001916	-				
NIJ Armor Type:	2		Water Sub	mersion:	No		
TEST DIMENSIONS:	Range Length:	17,20 ft.		Velocity 1:			
	Laboratory Range #:	2	Caronesa do caro estado estado esta	Velocity 2:	5,00 ft.		
	Lab Technician(s):	ADAMS/TRAUTMAN					
		Sample 20					
		Back Panel					
Panel Serial No:	016		Plate Seria	l No:	N/A		
PRE-TEST CLAY VALIDATION:	_						
Block ID: R2B4	. [Drop 1	Drop 2	Drop 3 Drop 4 Dr		Avg.
Time of Day: 9:16	HH:mm	Depth of Indent:	21	19	18 19	19	19.2
/ Temperature: 99:0	F	F	Requirements	s: All drop	s: 19 ± 3 mm , Aver	age: 19	
·					F	Pass:	Yes
	_						
TEST CONDITIONS:		Firing S	THE DESCRIPTION OF THE SECURE OF THE				
Ambient Temp: 68	F	CONTRACTOR AND		H:mm			
Rel. Humidity: 33	%	Commission of the State of Sta	Van Anna Marie Propinsi de Company de la com	H:mm			
		Duration: 1	4 n	nin			

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL P	ANEL 1 - Fron	it		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1		3522	1420	3536	1414	1417	51.58.68.00	X	Y	
2		3315	1508	3329	1502	1505	950 500 500 100	X	Y	
3	0.000.000.00	3099	1613	3104	1611	1612	X	600000000000000000000000000000000000000	Y	
4	TOWN NEWS	3243	1542	3252	1538	1540	80.000 80.000	X	Y	
5		3171	1577	3180	1572	1575	Х	86.885.800.60	Y	
6		3203	1561	3212	1557	1559	X	80 (EL 313 (EL)	Y	
7		3360	1488	3369	1484	1486	38 65 65 B	X	Υ [
8	6/88/05/55	3261	1533	3270	1529	1531		X	Y	
9	9/05/05/05	3189	1568	3203	1561	1564		X	Y	
10	0.3000000000	3072	1628	3063	1632	1630	Х	5 (0) (0)	Y	
11		3216	1555	3230	1548	1551	Х		Y	
12	5.1/95/1/05/901/vi	3266	1531	3275	1527	1529	199	Х	Y	
13	10-10-00-00-00-00-00-00-00-00-00-00-00-0	o ligar control	0	100000000000000000000000000000000000000	0		9			
14	100000000000000000000000000000000000000	100000000000000000000000000000000000000	O.		0			50 (50) (50) (50)	5 15 15 15 15	
15			0		0		03-14-03-03-03-03-03-03-03-03-03-03-03-03-03-			

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

Perforation and BFS Firing Data - Conditioned Armor - Threat 1

	Report I	Number	119	01-66	Report Date: 01/05/12						Test Date:	12/31/11
	Manuf	facturer:	POINT	BLANK S	SOLUTION	9mm	124/FMJ					
		Test ID:	PBS09-	001916				Refere	ence Ve	elocity:	1245	± 30 ft/s
	NIJ Arm	or Type	:	2	_			Water	Subme	ersion: _	No	•
	TEST DIM	IENSIONS			17.20 2			Velocity 1: Velocity 2:		•	Lab Technician(s):	P.PAYNE R.TRAUTMAN
							Samp					
Pane	I Serial	No:		036			Plate 9	Serial No:			N/A	
PRE-1	EST CLAY	/ VALIDAT	ION:				D	rop Numb	er			l
	Е	lock ID:	R2B1		Depth of	1	2	3	4	5	Avg.	
	Time	of Day:	7:10	HH:mm	Indent:		difference of the	THOUSEN	19	20	19.8	
CI	ay Temp	erature	99.9	F		Requir	ements	: All drops:	19 ± 3		rerage: 19 ± 2 mm	
										Pass:	Yes	
TEST	CONDITIO	NS:				W. C. C. C. C. C. C. C.	ubmersio				Firing Sequence	•
		Start	End							_		HH:mm
	ient Temp:								_		7:22	HH:mm
Rel	. Humidity:	36	33	%	Duration:			min	Ç	ouration:	7	min
							FRONT	PANEL				
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.		Fair	Perforate		BFS		
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Comr	ments
1	4103	1219	4107	1217	1218	O ₀	Contract Finance	0		31		
2	4058	1232	4062	1231	1232	0°	Printing Carle (Cit.)	0		33	01.423.000.000.000.000.000.00	
3	4034	1239	4034	1239	1239	0°	Yan a	0	(A(0.)) (50.9)	30	1,00,000,000,000,000,000,000,000	
4	3972	1259	3977	1257	1258	30°	333 Y 3336	0	2000 magazi			
5	3920	1276	3927	1273	1274	45°	Y	0 -	ANGARAN .			
6	3950	1266	3950	1266	1266	00	Y	0	0.550.7000	201221000000000000000000000000000000000		
7		0	800000000000000000000000000000000000000	0								
8	ASSESSED AND SELECTION OF THE PERSON OF THE	0		0			355000000000000000000000000000000000000		4365070550	38002800883		
												1
ne^-	TEOT 0: -	V VA- := -	TION									
POST	TEST CLA		Jana Street & Proceedings of Street		Donth of	- 1		rop Numb		-	Δνα	
POST	В	lock ID:	900000000000	Lilling	Depth of		ט 2	3 3	4	5	Avg.	
	B Time	lock ID: of Day:		HH:mm	Indent:		2	3	4			
	B Time	lock ID: of Day:	900000000000	HH:mm F	Indent:		2	3	4		Avg. erage: 19 ± 2 mm	

- a Excessive velocity
- d Too close to prior impact

- b Insufficient velocity
- e Excessive total impacts (test terminated)
- c Too close to edge
- f Excessive area impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

Perforation and BFS Firing Data - Conditioned Armor - Threat 1

Report Number:	11901-66	. 1	Report Date: 01/05/12				Test Date:	12/31/11
	POINT BLANK S PBS09-001916 2	OLUTIONS	, INC	Refere	Ammuni ence Velo Submers	city:_	9mm 1245 No	124/FMJ ± 30 ft/s
TEST DIMENSIONS:	Range Length: Laboratory Range #:	ere do esperante de la contra	t.	-	5.00 ft.		Lab Technician(s):	P.PAYNE R.TRAUTMAN
			Sample Back P					
Panel Serial No:	034		Plate S	erial No:	_		N/A	
PRE-TEST CLAY VALIDATI Block ID:		Depth of	Dro	op Numb 3	er 4	5	Avg.	
Time of Day: Clay Temperature:	7:28 HH:mm 99:1 F	Indent:	20 19 Requirements:	19 All drops:			19.2 erage: 19 ± 2 mm Yes	
rest conditions:		Δ.	rmor Submersion			ass:	Firing Sequence	ļ
Start Ambient Temp: 68	End 69 F	Start:	H	IH:mm IH:mm		Start: End:	7:32	HH:mm HH:mm
Rel. Humidity: 33	33 %	Duration:	n	nin	Dur	ation:	8	min

	BACK PANEL											
Shot No.	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Vel. Avg. (ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	BFS (mm)	Comments	
1	3999	1250	3999	1250	1250	0°	Y	0		31		
2	4022	1243	4022	1243	1243	D _o	Υ	0	191201919191	33		
3	3981	1256	3977	1257	1257	0°	Y	0	12.000	32		
4	4035	1239	4040	1238	1238	45°	Y	. 0		1		
5	3968	1260	3968	1260	1260	30°	Y	0		ì		
6	3954	1265	3959	1263	1264	O _a	Y	0		ĺ		
7		0		0			6 11 (832)		0.5000000			
8	ridoreway)	0	000000000000000000000000000000000000000	0		5601861068			22(4)(22)	2002000		

POST-TEST CLAY VALIDATION:

Block ID: R2B1 Time of Day: 7:42 HH:mm
Clay Temperature: 98:1 F

Depth of	1	2	3	4	5	Avg.
Indent:	19	19	18	17	18	18.2
	Require	ements	: All drops:	19 ± 3	mm, A	verage: 19 ± 2 mm
					Pass:	Yes

NOTES:

a - Excessive velocity

d - Too close to prior impact

b - Insufficient velocity c - Too close to edge G - 100 close to prior impact
 e - Excessive total impacts (test terminated)

f - Excessive area impacts (test terminated)

c - Too close to edge

NIJ Standard-0101.06 July 2008

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Firing Data - Conditioned Armor - Threat 1

Report Number:			11901-66			Report Date:_		01/05/12			Test Date: 12/31/11		
Manufacturer: POINT BLANK S					SOLUTIONS, INC				Ammu	nition:	9mm	124/FMJ	
Test ID: PBS09-001916								Refere	ence Ve	elocity:	1245	± 30 ft/s	
NIJ Armor Type: 2					_	Water Submersion:			No	-			
TEST DIMENSIONS: Range Lenç Laboratory Range					17.20 ft.			Velocity 1: Velocity 2:	Entratuma transcriptor	7	Lab Technician(s):	P.PAYNE R.TRAUTMAN	
	Sample 22												
						Front Panel							
Panel Serial No: 00				005		Plate Serial No:				N/A	-		
PRE-T	EST CLA	Y VALIDAT	ION:				D	rop Numb	er				
Block ID: R2B2					Depth of	1	2	3	4	5	Ανg.		
Time of Day: 7:48 HH:mm					Indent:		20	21	20		20.2		
Clay Temperature: 100:2 F Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm													
Pass: Yes													
TEST CONDITIONS: Armor Submersion Firing Sequence Start End Start: HH:mm Start: 7:53 HH:mm Ambient Temp: 69 68 F End: HH:mm End: 8:00 HH:mm Rel. Humidity: 33 33 % Duration: min Duration: 7 min												HH:mm HH:mm	
FRONT PANEL													
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.		Fair	Perforate		BFS			
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Com	ments	
1	4008	1248	4013	1246	1247	Oº	Y	0	1005000000	30			
2	3986	1254	3990	1253	1254	0°	Y	0		33			
3	4049	1235	4049	1235	1235	0.	Y	0	A30 (45)	31			
4	4013	1246	4013	1246	1246	45°	Ý	0			An (2) (4) (4) (5) (6)		
5	4049	1235	4053	1234	1234	30°	⊚ Y	0	100				
6	3999	1250	3999	1250	1250	0°	y Y	0					
7	0.00083100	0		0			300 800 te-		o en los	an elektronia			
8		0		0							5) (5) (6)		
								_				•	
POST-TEST CLAY VALIDATION:						Drop Number							
Block ID:					Depth of		2	3	4	5	Avg.		
	Time	of Day:	mineral service.	HH:mm	Indent:								
Cla	ay Temp	erature:		F		Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm Pass:							
NOTES	S:				L							1	
	Excessive	velocity		d -	Too close to	prior imp	act			g-	Impact on seam		
	Insufficien				Excessive total impacts (test terminated)								

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

Perforation and BFS Firing Data - Conditioned Armor - Threat 1

Report Number:	11901-66	Report Date: _	01/05/	12		Test Date	: <u>12/31/11</u>	
	POINT BLANK S	OLUTIONS	S, INC		Ammu	_	9mm	124/FMJ
Test ID:	PBS09-001916			Refere	nce Ve	locity:_	1245	± 30 ft/s
NIJ Armor Type:	2	-		Water	Subme	rsion: _	No	_
TEST DIMENSIONS:	Range Length: Laboratory Range #:	La Cara instrumental accessor	ft.	Velocity 1: Velocity 2:	armendal Olivina and Co.		Lab Technician(s): P.PAYNE R:TRAUTMAN
^p anel Serial No:	008		Sample Back P Plate S		-		N/A	_
RE-TEST CLAY VALIDATI	ION:		Dr	op Numbe	er			7
Block ID:	R2B2	Depth of	1 2	3	4	5	Avg.	7
Time of Day:	8:05 HH:mm	Indent:	20 20	19	19	19	19.4	1
Clay Temperature:			Requirements:	All drops:	19 ± 3	mm . Av	erage: 19 ± 2 mm	, 1
,						Pass:	Yes	J
EST CONDITIONS:		۵	rmor Submersion	ı			Firing Sequenc	e
Start	End	Start:	i e	H:mm		Start:	8:10	HH:mm
Ambient Temp: 68	68 F	End:	F	H:mm		End:	8:17	HH:mm
Pol Humidiby: 33	23 04	Duration	00000000000000000000000000000000000000	nin	Di	ration:	7	min

	BACK PANEL												
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.		Fair	Perforate		BFS			
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Comments		
1	3941	1269	3945	1267	1268	0°	Y	0		32			
2	3986	1254	3986	1254	1254	0°	Y	0		33			
3	4044	1236	4044	1236	1236	0°	Y	0		34			
4	4040	1238	4040	1238	1238	30°	Υ	0	058.458				
5	4049	1235	4049	1235	1235	45°	as Yasa	0	(84% S84)				
6	4076	1227	4071	1228	1227	0°	Y	0	1000 1000				
7	60.00.00	0		0		120 VSESANE	100.000		48.63.				
8		0		0									

POST-TEST CLAY VALIDATION:

Block ID: R2B2
Time of Day: 8:20 HH:mm
Clay Temperature: 98.4 F

, , , ,		D				
Depth of	1	2	3	4	5	Avg.
Indent:	19	19	18	17	17	18.0
'	Require	ements	: All drops:	19 ± 3	mm, A	verage: 19 ± 2 mm
					Pass:	Yes

NOTES:

a - Excessive velocity

d - Too close to prior impact

g - Impact on seam

b - Insufficient velocity

e - Excessive total impacts (test terminated)

c - Too close to edge

f - Excessive area impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

Perforation and BFS Firing Data - Conditioned Armor - Threat 2

	Report I	Number	1196	01-66	-	Repor	t Date:	01/05	/12	-	Test Date:	12/31/11
	Manut	facturer:	: POINT I	BLANK S	SOLUTION	S. INC			Ammu	nition:	.357 Mag	158/JSP
			PBS09-			-,						± 30 ft/s
	NIJ Arm			2					Subme			
		,,,,			-							-
	TEST DIM	ENSIONS			17.20	ft.		Velocity 1: Velocity 2:	Transport of the second of the		Lab Technician(s)	P.PAYNE R.TRAUTMAN
							Samp	le 23				
							Front	Panel				
Pane	el Serial I	No:		043		-	Plate \$	Serial No:			N/A	-
PRE-	TEST CLAY	' VÁLIDÁT	ION:				D	rop Numb	er			1
	В	lock ID:	R2B3		Depth of	1	2	3	4	5	Avg.	
			8:30	HH:mm	Indent:		19	20	20	19	19.4	1
CI			99.4			Requir	ements	: All drops:	19 ± 3	mm , A	verage: 19 ± 2 mm	1
	•					·				Pass:	Yes	
												_
TEST	CONDITIO	NS:			,	Armor St	ubmersio	n			Firing Sequence)
		Start	End		Start:			HH:mm		Start:	8;35	HH:mm
Amb	ient Temp:	67		F	End:			HH:mm		End:		HH:mm
Rel	I. Humidity:	34	34	%	Duration:			min	C	uration:	6	min
							EDONT	DANIEL				
Shot	Time 1	Vol. 1	Time 2	Vol 3	Vol. Ava		FRONT			DEC		
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Angle	Fair	Perforate	Note	BFS (mm)	Come	ments
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	Fair (Y/N)	Perforate (Y=1/N=0)	Note	(mm)	Comi	ments
No.	(µs) 3734	(ft/s) 1339	(µs) 3734	(ft/s) 1339	(ft/s) 1339	0°	Fair (Y/N) Y	Perforate (Y=1/N=0)	Note	(mm) 31	Comi	ments
No. 1 2	(µs) 3734 3684	(ft/s) 1339 1357	(µs) 3734 3684	(ft/s) 1339 1357	(ft/s) 1339 1357	0°	Fair (Y/N) Y	Perforate (Y=1/N=0) 0	Note	(mm) 31 32	Comi	ments
No. 1 2 3	(µs) 3734 3684 3725	(ft/s) 1339 1357 1342	(µs) 3734 3684 3729	(ft/s) 1339 1357 1341	(ft/s) 1339 1357 1342	0° 0° 0°	Fair (Y/N) Y Y	Perforate (Y=1/N=0) 0 0	Note	(mm) 31	Com	ments
No. 1 2 3 4	(µs) 3734 3684 3725 3680	(ft/s) 1339 1357 1342 1359	(µs) 3734 3684 3729 3680	(ft/s) 1339 1357 1341 1359	(ft/s) 1339 1357 1342 1359	30° 0° 0°	Fair (Y/N) Y Y Y	Perforate (Y=1/N=0) 0 0 0	Note	(mm) 31 32	Com	ments
No. 1 2 3 4 5	(µs) 3734 3684 3725 3680 3693	(ft/s) 1339 1357 1342 1359 1354	(µs) 3734 3684 3729 3680 3698	(ft/s) 1339 1357 1341 1359 1352	(ft/s) 1339 1357 1342 1359 1353	0° 0° 0° 30° 45°	Fair (Y/N) Y Y Y Y	Perforate (Y=1/N=0) 0 0 0 0 0 0 0	Note	(mm) 31 32	Com	ments
No. 1 2 3 4 5 6	(µs) 3734 3684 3725 3680	(ft/s) 1339 1357 1342 1359 1354 1357	(µs) 3734 3684 3729 3680	(ft/s) 1339 1357 1341 1359 1352 1357	(ft/s) 1339 1357 1342 1359	30° 0° 0°	Fair (Y/N) Y Y Y	Perforate (Y=1/N=0) 0 0 0	Note	(mm) 31 32	Com	ments
No. 1 2 3 4 5 6 7	(µs) 3734 3684 3725 3680 3693	(ft/s) 1339 1357 1342 1359 1354 1357 0	(µs) 3734 3684 3729 3680 3698	(ft/s) 1339 1357 1341 1359 1352 1357 0	(ft/s) 1339 1357 1342 1359 1353	0° 0° 0° 30° 45°	Fair (Y/N) Y Y Y Y	Perforate (Y=1/N=0) 0 0 0 0 0 0 0	Note	(mm) 31 32	Com	ments
No. 1 2 3 4 5 6	(µs) 3734 3684 3725 3680 3693	(ft/s) 1339 1357 1342 1359 1354 1357	(µs) 3734 3684 3729 3680 3698	(ft/s) 1339 1357 1341 1359 1352 1357	(ft/s) 1339 1357 1342 1359 1353	0° 0° 0° 30° 45°	Fair (Y/N) Y Y Y Y	Perforate (Y=1/N=0) 0 0 0 0 0 0 0	Note	(mm) 31 32	Com	ments
No. 1 2 3 4 5 6 7 8	(µs) 3734 3684 3725 3680 3693 3684	(ft/s) 1339 1357 1342 1359 1354 1357 0	(µs) 3734 3684 3729 3680 3698 3698	(ft/s) 1339 1357 1341 1359 1352 1357 0	(ft/s) 1339 1357 1342 1359 1353	0° 0° 0° 30° 45°	Fair (Y/N) Y Y Y Y Y	Perforate (Y=1/N=0) 0 0 0 0 0 0		(mm) 31 32	Com	ments
No. 1 2 3 4 5 6 7 8	(µs) 3734 3684 3725 3680 3693 3684	(ft/s) 1339 1357 1342 1359 1354 1357 0 0	(µs) 3734 3684 3729 3680 3698 3684	(ft/s) 1339 1357 1341 1359 1352 1357 0	(ft/s) 1339 1357 1342 1359 1353 1357	0° 0° 0° 30° 45° 0°	Fair (Y/N) Y Y Y Y	Perforate (Y=1/N=0) 0 0 0 0 0 0	er	(mm) 31 32 37		ments
No. 1 2 3 4 5 6 7 8	(µs) 3734 3684 3725 3680 3693 3684 TEST CLA	(ft/s) 1339 1357 1342 1359 1354 1357 0 0 VYALIDA	(µs) 3734 3684 3729 3680 3698 3698	(ft/s) 1339 1357 1341 1359 1352 1357 0	(ft/s) 1339 1357 1342 1359 1353 1357 Depth of	0° 0° 0° 30° 45° 0°	Fair (Y/N) Y Y Y Y Y	Perforate (Y=1/N=0) 0 0 0 0 0 0		(mm) 31 32	Com	ments
No. 1 2 3 4 5 6 7 8	(µs) 3734 3684 3725 3680 3693 3684 -TEST CLA B Time	(ft/s) 1339 1357 1342 1359 1354 1357 0 0 Y VALIDA RIOCK ID:	(µs) 3734 3684 3729 3680 3698 3698 3684	(ft/s) 1339 1357 1341 1359 1352 1357 0 0	(ft/s) 1339 1357 1342 1359 1353 1357 Depth of Indent:	0° 0° 0° 30° 45° 0° 1	Fair (Y/N) Y Y Y Y Y	Perforate (Y=1/N=0) 0 0 0 0 0 0 0	er 4	(mm) 31 32 37 37	Avg.	
No. 1 2 3 4 5 6 7 8	(µs) 3734 3684 3725 3680 3693 3684 -TEST CLA B Time	(ft/s) 1339 1357 1342 1359 1354 1357 0 0 Y VALIDA RIOCK ID:	(µs) 3734 3684 3729 3680 3698 3698	(ft/s) 1339 1357 1341 1359 1352 1357 0 0	(ft/s) 1339 1357 1342 1359 1353 1357 Depth of Indent:	0° 0° 0° 30° 45° 0° 1	Fair (Y/N) Y Y Y Y Y	Perforate (Y=1/N=0) 0 0 0 0 0 0 0	er 4	(mm) 31 32 37 37		
No. 1 2 3 4 5 6 7 8	(µs) 3734 3684 3725 3680 3693 3684 -TEST CLA B Time ay Temp	(ft/s) 1339 1357 1342 1359 1354 1357 0 0 Y VALIDA RIOCK ID:	(µs) 3734 3684 3729 3680 3698 3698 3684	(ft/s) 1339 1357 1341 1359 1352 1357 0 0	(ft/s) 1339 1357 1342 1359 1353 1357 Depth of Indent:	0° 0° 0° 30° 45° 0° 1	Fair (Y/N) Y Y Y Y Y	Perforate (Y=1/N=0) 0 0 0 0 0 0 0	er 4	(mm) 31 32 37 5 mm, A	Avg.	
No. 1 2 3 4 5 6 7 8 POST	(µs) 3734 3684 3725 3680 3693 3684 -TEST CLA B Time ay Temp	(ft/s) 1339 1357 1342 1359 1354 1357 0 0 Y VALIDA Flock ID: of Day:	(µs) 3734 3684 3729 3680 3698 3698 3684	(ft/s) 1339 1357 1341 1359 1352 1357 0 0	(ft/s) 1339 1357 1342 1359 1353 1357 Depth of Indent:	0° 0° 0° 30° 45° 0°	Fair (Y/N) Y Y Y Y Y Y Y 2 2 ements	Perforate (Y=1/N=0) 0 0 0 0 0 0 0	er 4	(mm) 31 32 37 37 5 mm, A Pass:	Avg. verage: 19 ± 2 mm	
No. 1 2 3 4 5 6 7 8 POST CI	(µs) 3734 3684 3725 3680 3693 3684 -TEST CLA B Time ay Temp	(ft/s) 1339 1357 1342 1359 1354 1357 0 0 V VALIDA llock ID: of Day: erature:	(µs) 3734 3684 3729 3680 3698 3698 3684	(ft/s) 1339 1357 1341 1359 1352 1357 0 0	(ft/s) 1339 1357 1342 1359 1353 1357 Depth of Indent:	0° 0° 0° 30° 45° 0°	Fair (Y/N) Y Y Y Y Y Y O D act	Perforate (Y=1/N=0) 0 0 0 0 0 0 0 0 0 0 All drops:	er 4	(mm) 31 32 37 37 5 mm, A Pass:	Avg.	

- b Insufficient velocity
- c Too close to edge
- f Excessive area impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Firing Data - Conditioned Armor - Threat 2

	Report i	Number:	1190)1-66	-	Repor	t Date:	01/05	/12	.	Test Date:	12/31/11
	Manut				OLUTION	S, INC				nition:		158/JSP
		Test ID:	PBS09-0	001916				Refere	nce Ve	elocity:	1340	± 30 ft/s
I	NiJ Arm	or Type:		2	-			Water	Subme	ersion:	No	
	TEST DIM	ENSIONS:	Ran	ge Length:	17.20	ft.		Velocity 1:	5,00	fl.	Lab Technician(s):	P.PAYNE
			Laborator	y Range #:	2	1		Velocity 2:	5.00	ft.		R.TRAUTMAN
Pane	I Serial	No:		015	-		Samp Back I Plate S				N/A	
PRE-T	EST CLAY	VALIDAT	ION:				D	rop Numb	er			
	E	lock ID:	R2B3		Depth of	1	2	3	4	5	Avg.	
	Time	of Day:	8:55	HH:mm	Indent:		20	20	19	19	19.4	
Cla	ay Temp	erature:	99.2	F		Requir	ements	: All drops:	19 ± 3	mm, A	verage: 19 ± 2 mm	
					c.					Pass:	Yes	
TEST (CONDITIO	NS:			,	Armor Su	ıbmersio	ıп			Firing Sequence	
		Start	End		Start:			HH:mm				HH:mm
Ambi	ent Temp:	67	67	F	End:	lo (1996)		HH:mm				HH:mm
Rel.	. Humidity:	34	34	%	Duration:			mín		Ouration:	. 5	min
-							BACK	PANEL				
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.		Fair	Perforate		BF\$		
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Comr	ments
1	3725	1342	3729	1341	1342	0°	Y	0		30		
2	3675	1361	3680	1359	1360	00	Y	0	ASSAUCTED A	33		
3	3684	1357	3689	1355	1356	O _o	Y	0		36		

POST-TEST	CL	AY V	AL ID	·NOITA

3702

3702

3707

Block ID: <u>R2B3</u>
Time of Day: <u>9:07</u> HH:mm
Clay Temperature: <u>98:7</u> F

1351

1351

1349 0

0

3711

3702

3707

1347

1351

1349

0

		D								
Depth of		2	3	4	5	Avg.				
Indent:	19	19	20	19	20	19.4				
'	Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm									
					Pass:	Yes				

0

NOTES:

6

8

a - Excessive velocity

d - Too close to prior impact

1349

1351

1349

g - Impact on seam

b - Insufficient velocity

e - Excessive total impacts (test terminated)

c - Too close to edge

f - Excessive area impacts (test terminated)

30°

0°

Y

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

Perforation and BFS Firing Data - Conditioned Armor - Threat 2

Report	Number:	1190	01-66	_	Repor	rt Date: 01/05/12				Test Date: 12/31/11	
Manu				SOLUTION	S, INC				nition:		158/JSP
		PBS09-							elocity:		± 30 ft/s
NIJ Arm	or Type:	:	2	_			Water	Subme	ersion:	No	-
TEST DIM	MENSIONS			17.20		Velocity 1: Velocity 2:		:	Lab Technician(s):	P. PAYNE R. TRAUTMAN	
						Samp	le 24				
						Front	Panel				
Panel Serial	No:		004			Plate S	Serial No:			N/A	
PRE-TEST CLA				l			rop Numb		1 -	- <u>-</u>	
		R2B1		Depth of		2		4	5	Avg.	
		9:10		Indent:			18	19	19	19.2	
Clay Temp	perature:	99.7	F		Requir	ements	: All drops:	19 ± 3	mm , A Pass:	verage: 19 ± 2 mm Yes	
TEST CONDITIO	NS.			1	1 rmor Si	ubmersio	'n			Firing Sequence	
TEST CONDITIO	Start	End				e. 4500 004 0000 000 400	HH:mm		Start	9:15	
Ambient Temp:	4/5/2004/2004/2005/2005	69	E				HH:mm			9:20	
Rel. Humidity				Duration:			min	E		5	
rvoi. Harriany			,,					_			•
						FRONT	PANEL				
Shot Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.		Fair	Perforate		BFS		
No. (µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Comi	nents
1 3720	1344	3720	1344	1344	0°	Y	0		37		
2 3765	1328	3761	1329	1329	0°	2.Y	0	1650.66	34		
3 3666	1364	3671	1362	1363	O ^o	Y	0		36	terrora de partido por con-	
4 3571	1362	3675	1361	1361	45°	Y	0				
5 3729	1341	3734	1339	1340	30°	Y	0	ALCES ALL			
6	0	80.086.888	0		00			6155 KALL			
7	0	5.1910.151.6	0				123	Marian.		Sala Gillian Sala	
8	0		0								
							Mh				ı
POST-TEST CL		SEASON FOR SEASON		D = 47= - 5			rop Numb		_	A	
	Block ID:			Depth of		2	Special and American Security	4	5	Avg.	
Time Clay Tem	e or Day:	500000000000000000000000000000000000000	HH:mm	Indent:			· All drace	10 . ^	^	uoraga: 10 ± 2	
Clay Temp	perature:		F		Kequin	ernents	: All arops:	19 ± 3	mm, A Pass:	verage: 19 ± 2 mm	
NOTES:									. 433.		
a - Excessive	velocity		d.	Too close to	orior imp	act			a -	Impact on seam	
4 - EXCESSIVE											

- b Insufficient velocity
- e Excessive total impacts (test terminated)
- c Too close to edge
- f Excessive area impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

Perforation and BFS Firing Data - Conditioned Armor - Threat 2

Report Number:	11901-66	_	Repor	t Date:	01/05	/12	•	Test Date	: 12/31/11
Manufacturer:	POINT BLANK	SOLUTIONS	S, INC			Ammu	nition: _	.357 Mag	158/JSP
Test ID:	PBS09-001916				Refere	ence Ve	locity:	1340	± 30 ft/s
NIJ Armor Type:	2	_			Water	Subme	ersion:	No	_
TEST DIMENSIONS:	Range Length Laboratory Range #	17.20 t: 2	fl.		Velocity 1: Velocity 2:	37.Activide/000000000000000000000000000000000000	:	Lab Technician(s	P. PAYNE R. TRAUTMAN
				Sampl Back F					
Panel Serial No:	009			Plate S	erial No:			N/A	_
PRE-TEST CLAY VALIDATION	ON:			Di	op Numb	er]
Block ID:	DOD1	Donth of	1	2	3	A	5	Ava	1

PRE

Time of Day: 9:25 HH:mm Clay Temperature: 99.6 F

		D									
Depth of	1	2	3	4	5	Avg.					
Indent:	19	20	20	19	19	19.4					
	Requirements: All drops: 19 ± 3 mm, Average: 19 ± 2 mm										
					Pass:	Yes					

TEST CONDITIONS: Armor Submersion Firing Sequence Start End Start: HH:mm 9:30 HH:mm 68_ HH:mm Ambient Temp: 69 End: End: 9:35 HH:mm Rel. Humidity: 34 Duration: Duration: 5

BACK PANEL												
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.		Fair	Perforate		BFS		
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Comments	
1	3756	1331	3761	1329	1330	00	Y	0		37		
2	3743	1336	3738	1338	1337	O°	e Y	0	3555A5A	37		
3	3788	1320	3788	1320	1320	0°	Y	0		36		
4	≥3675	1361	3675	1361	1361	30°	Y	-0	100000000			
5	3729	1341	3729	1341	1341	45°	Y	0	0.000			
6		0	8.656.650	0		0.		0.880.680.08.0				
7		0		0			68,68%	9.9.5	A 65 (6)			
8	0.0000000000000000000000000000000000000	0	8.000 ASS.A	0		9838 9838	38.088					

POST-TEST CLAY VALIDATION:

Block ID: R2B1 Time of Day: 9:42 HH:mm
Clay Temperature: 98:7 F

Depth of	1	2	3	4	5	Avg.
Indent:	17	19	18	19	19	18.4
•	Require	ements	: All drops:	19 ± 3	mm , A	verage: 19 ± 2 mm
					Pass:	Yes

g - Impact on seam

NOTES:

a - Excessive velocity

b - Insufficient velocity c - Too close to edge

d - Too close to prior impact

e - Excessive total impacts (test terminated)

f - Excessive area impacts (test terminated)

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - Conditioned Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05/12	_ lest Date:	12/31/11
Manufacturer:		SOLUTIONS, INC	Ammunition	9mm	124/FMJ
Test ID:	PBS	09-001916			
NIJ Armor Type:	2		Water Submersion:	No	
TEST DIMENSIONS:	Range Length:	17.20 ft.	Velocity 1	: 5,00 ft.	
	Laboratory Range #:	2	Velocity 2	5,00 ft.	
	Lab Technician(s):	P.PAYNE/R.TRAU	TMAN		
	•	Sample 25			
		Front Panel			
Panel Serial No:	039		Plate Serial No:	N/A	_
PRE-TEST CLAY VALIDATION:					
Block ID: R2B5	F		Drop 1 Drop 2	Drop 3 Drop 4 Dro	p5 Avg.
Time of Day: 11:52	HH:mm	Depth of Indent:	21 21	20 21 2	
/ Temperature: 101.0	F	F	Requirements: All drop	s: 19 ± 3 mm , Avera	ge: 19 ± 2 mm
				Pa	ss: Yes
	_				
TEST CONDITIONS:		Firing Se	PERSONAL PROPERTY.		
Ambient Temp: 70	F	Start:11	:58 HH:mm		
Rel. Humidity: 34	%	End: 12	:11 HH:mm		
		Duration: 1	3 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

12

						BL P	ANEL 1 - Fron	ıt		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1		4022	1243	4022	1243	1243		X	Y	
2		3653	1369	3653	1369	1369		X	Υ	
3	V 120 100 100 100 100 100 100 100 100 100	3392	1474	3392	1474	1474		X	γ	
4	11100000000000000000000000000000000000	3149	1588	3153	1586	1587	(3)57783677836778367	X	Υ	
5	0.0000000000000000000000000000000000000	2982	1677	2982	1677	1677	Х	8002F216551 050	Υ	
6		3090	1618	3090	1618	1618		Х	Υ	
7	12,000,000,000	3005	1664	3005	1664	1664	X	35 350 350 650	Υ	
8	100000000000	3095	1616	3099	1613	1614	John Marcolnson	X	Υ	
9		2987	1674	2987	1674	1674	X		Υ	
10		3100	1613	3104	1611	1612		X	Y	
11		3032	1649	3032	1649	1649		X	Υ	
12		2960	1689	2960	1689	1689	50.000.000.000	X	Y	
13		10.000 (0.000 AC)	0	SS 1550 (833)	0		April 100	20.00.00.00	Sucal Acceptance	
14		2000 State	0		0		SECTION SECTION			
15	\$483511@ARG	0.000/400000	0	Service Age	0		\$9,000,000	610000000000000000000000000000000000000	transaction	

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - Conditioned Armor - Threat 1

Report Number:	11901-66	Report Date:	01/05/12	Test Date:	12/31/11
Manufacturer: Test iD:		SOLUTIONS, INC	Ammunition	9mm	124/FMJ
NIJ Armor Type:		09-001910	Water Submersion:	No	
TEST DIMENSIONS:	Range Length: Laboratory Range #: Lab Technician(s):	17:20 ft. 2 PPAYNE/R.TRAU	Velocity 1 Velocity 2		
	Lab reclinication.	Sample 25	[PICH NASSINGON		
		Back Panel			
		Dack Faller			
Panel Serial No:	032		Plate Serial No:	N/A	_
PRE-TEST CLAY VALIDATION:					
Block ID: R2B5			Drop 1 Drop 2	Drop 3 Drop 4 Drop	
	HH:mm	Depth of Indent:	21 20	20 20 20	20.2
/ Temperature: 100.1	F	R	equirements: All drop	s: 19 ± 3 mm , Average	
	i			Pas	s: Yes
TEST CONDITIONS:		Firing Se	quence		
Ambient Temp: 70	F	Start; 12	31 HH:mm		
Rel. Humidity: 35	%	Statement September 1	44 HH:mm		
		Duration: 1	3min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

12

						BL P.	ANEL 1 - Fron	t		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1	entry verse	4017	1245	4017	1245	1245	20020-0000	X	Y	
2	NASA SANA	3666	1364	3666	1364	1364	\$1.55 \$51.55	X	Ý	
3	CASSAGNAS	3441	1453	3441	1453	1453		X	Y	
4	23903332	3279	1525	3284	1523	1524		X	Y	
5		3041	1644	3041	1644	1644	X		Ý	
6	900000000	3162	1581	3162	1581	1581		Х	Y	
7	811584VACVA	3068	1630	3077	1625	1627		Х	Υ	
8		3018	1657	3023	1654	1655	X		Y	
9	in disposación.	3099	1613	3099	1613	1613	2010/00/04/04/05/05/09	X	Y	
10	100000000000000000000000000000000000000	2955	1692	2960	1689	1691	X		Υ	
11	0.0000000000000000000000000000000000000	3086	1620	3090	1618	1619	X		Υ	
12		3131	1597	3135	1595	1596		Х	Ý	
13			0		0	·				
14	0.000.000.00	464 (34)	0	100000000000000000000000000000000000000	0					
15		0.000	0	200000000000000000000000000000000000000	0		20 DESCRIPTION	5.000.000.000		

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - Conditioned Armor - Threat 2

Report Number:	11901-66	Report Date:	01/05/12	Test Date:	12/31/11
Manufacturer: Test ID:		SOLUTIONS, INC 09-001916	Ammunition	ı:357 Mag	158/JSP
NIJ Armor Type:	2		Water Submersion	: <u>No</u>	
TEST DIMENSIONS:	Range Length: Laboratory Range # Lab Technician(s):	17,20 ft. 2 P.PAYNE/R.TRAU	Velocity Velocity :		
	-	Sample 26			
		Front Panel			
Panel Serial No:	035		Plate Serial No:	N/A	
PRE-TEST CLAY VALIDATION: Block ID: R2B4 Time of Day: 10:20 Temperature: 101:0	HH:mm F	Depth of Indent:		Drop 3 Drop 4 Dro 20 19 20 ps: 19 ± 3 mm , Average Pa	20.0 ge: 19 ± 2 mm
TEST CONDITIONS: Ambient Temp: 68 Rel. Humidity: 35	F %	Firing Se Start: 10 End: 10 Duration: 1	24 HH:mm 38 HH:mm		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

12

						BL P.	ANEL 1 - Fron	ŧ		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Re	sult	Used	
No.	Weight	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1		3747	1334	3752	1333	1334		X	Y	
2	Wiseles Co.	3459	1446	3464	1443	1444		Х	Y	
3	11.00 PENNS	3230	1548	3234	1546	1547	300000000000000000000000000000000000000	X	Y	
4	0.0000000000000000000000000000000000000	3195	1565	3195	1565	1565	\$25°C \$2000	X	Y	
5	9305303500	3000	1667	2996	1669	1668	Х	250 (2010) (2010) (2010)	Y	
6	VALDOMANICACI	3126	1599	3131	1597	1598	050000000000000000000000000000000000000	X	Y	
7		3036	1647	3036	1647	1647	100 000 000	X	Y	
8	0.0000000000000000000000000000000000000	2942	1700	2951	1694	1697	X		Y	No. of the second
9		3054	1637	3054	1637	1637	X		Y	San and the san
10		3149	1588	3149	1588	1588	X		Y	
11	1000	3212	1557	3216	1555	1556	Χ	25 C.	Y	
12		3302	1514	3297	1517	1515	200 (80) (80) (80)	X	Y	
13	A 678 (88)	04 (CC004) (CC004) (CC	0	AV. (50.05)	0		664 (CEN CHE) (BEC)	vice reasonable alone		
14		9/00/2007/4	0	65.466.656	0					
15	20200000000	9-50-1-60-00	0	\$2455\$X\$555	0		16.000.000	90.080.000.000		

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Firing Data - Conditioned Armor - Threat 2

Report Number:	11901-66	Report Date:	01/05/12	_ Test Date:	12/31/11
Manufacturer:		SOLUTIONS, INC	Ammunition	:357 Mag	158/JSP
Test ID:		9-001916	Water Submersion	: No	
NIJ Armor Type:			Water Submersion	,	
TEST DIMENSIONS:	Range Length:	17,20 ft.	Velocity 1	201121 27 22 21 21	
	Laboratory Range #:	2	Velocity 2	2:ft.	
	Lab Technician(s):	P.PAYNE/R.TRAUT	TMAN		
		Sample 26			
		Back Panel			
Panel Serial No:	027		Plate Serial No:	N/A	_
PRE-TEST CLAY VALIDATION:					
Block ID: R2B4	Г		Drop 1 Drop 2	Drop 3 Drop 4 Drop	
3.0.750,000,000,000	HH:mm	Depth of Indent:	20 20	20 18 19	
/ Temperature: 100.2	F	R	equirements: All dro	ps: 19 ± 3 mm , Average	
	L			Pas	s: Yes
TEST CONDITIONS:		Firing Se	quence		
Ambient Temp: 70	F	Start: 11:	:00 HH:mm		
Rel. Humidity: 33	%	End: 11:	22 HH:mm		
		Duration: 2	2 min		

Enter NIJ Armor Types III and IV Sample Number(s) in Remarks Column as Applicable

Count:

						BL PA	ANEL 1 - Fron	it		
Shot	Charge	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	Res	sult	Used	
No.	Weight	(µs)	(ft/s)	(μs)	(ft/s)	(ft/s)	Perf (CP)	Stop (PP)	(Y/N)	Remarks
1		3761	1329	3761	1329	1329	95.000 (0.000 (0.000)	Х	Υ	
2	0.0000000000000000000000000000000000000	3419	1462	3423	1461	1462	10145511560100	X	Y	
3	1000000000	3225	1550	3225	1550	1550		X	Υ	
4	2000	3189	1568	3194	1565	1567		X	Y	
5	10000000	2987	1674	2991	1672	1673	X	14.00.00	Y	
6		3135	1595	3135	1595	1595	X		Y	
7	2000 PM	3167	1579	3167	1579	1579	X		Y	
8	999999	3333	1500	3333	1500	1500		X	Y	
9	30,938,000,000,000	3171	1577	3180	1572	1575	Х		Ý	
10	200000000	3261	1533	3266	1531	1532	5 75	Х	Ý	
11		3194	1565	3194	1565	1565		Х	Ŷ	
12		3176	1574	3176	1574	1574	Χ		Y	
13	439075		0		0					
14			0		0					
15			0		0			50.000.000		

Remarks:

a - Too close to edge

b - Too close to prior impact

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

 Report Number:
 11901-66
 Test ID: PBS09-001916
 Report Date:
 01/05/12

 Manufacturer:
 POINT BLANK SOLUTIONS, INC
 Model Designation: All-2
 NIJ Armor Type:
 2

Threat 1 - New Armor

Amr	nunition:	9mr	n	12	4/FMJ	Refere	nce Ve	locity:	1305	± 30 ft/s		W	/ater Sub	mersion:	Yes	
						S	hot-to	-Edge:	2	inches						
	Sample	1		Size:	C5				Sample	2		Size:	C5			
		Front Pa	nel			Back Pa	nel			Front Pa	nel			Back Pa	nel	
Shot	Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS		Avg. Vei,	Perf	BFS	
Number	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note
1	1309.1	0	30.0		1296.2	0	29.0		1310.6	0	26.0		1305.3	0	28.0	
2	1336.7	0	30.0		1306.8	0	32.0		1329.4	0	22.0		1299.9	0	29.0	
3	1316.8	0	33.0		1300.1	0	36.0		1313.7	0	28.0		1314.6	0	32.0	
4	1318.6	0			1309,2	0			1315.4	0			1300.7	0		
5	1320.8	0			1306.8	0			1316.8	0			1332.6	0		
6	1322.4	0			1300.6	0			1313.7	0			1308.4	0		
7																
8																
Summar	у:	Perfor	ations:	0	(Pass)			BFS	Statistics:	Count:	12		Average:	29.6	mm	
	•	Maximun	n BFS:	36.0	mm					k1:	1.568		St. Dev.:	3.58	mm	
						(Pass - N	o BFS	greatei	r then 44 t	nm)						

	Sample	3		Size:	C1				Sample	4		Size:	C1			
	,	Front Pa	nel			Back Pa	nel			Front Pa	nel			Back Pa	nel	
Shot	Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS	
Number	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note
1	1316.1	0	32.0		1304.5	0	33.0		1306.3	0	32.0		1292.8	0	35.0	
2	1305.3	0	31.0		1308.4	0	34.0		1311.1	0	33.0		1307.2	0	31.0	
3	1321.7	0	34.0		1297.7	0	33.0		1302.1	0	32.0		1306.2	0	31.0	
4	1334.4	0			1298.4	0			1290.7	0			1293.3	0		
5	1329.4	0			1307.5	0			1280.4	0			1319.8	0		
6	1291,7	0			1325.6	0			1300.4	0			1287.2	0		
7	Í															
8	1								Ì							
Summar	v:	Perfor	ations:	0	(Pass)			BFS	Statistics:	Count:	12		Average:	32.6	mm	·
	•	Maximun	n BFS:	35.0	mm					k1:	1.568		St. Dev.:	1.31	mm	
						(Pass - N	o BFS	greatei	r then 44 r	nm)						

Threat 2 - New Armor

Ammunition:	.357 Mag	158/JSP	Reference Velocity:	1430	± 30 ft/s	Water Submersion: Yes
_	_		Shot-to-Edge:	3	inches	

	Sample 6	Size: C5
Back Panel	Front Panel	Back Panel
Vel. Perf BFS	Avg. Vel. Perf BFS	Avg. Vel. Perf BFS
ec) {Y=1/N=0) (mm}	ote (ft/sec) (Y=1/N=0) (mm)	Note (ft/sec) (Y=1/N=0) (mm) Note
4.2 0 32.0	1417.4 0 33.0	1440.9 0 36.0
2.7 0 41.0	1411.2 0 31.0	1453.5 0 35.0
8.0 0 35.0	1435.3 0 33.0	1446.8 0 33.0
1.6 0	1441.8 0	1469.5 0
7.5 0	1451.8 0	1443.4 0
7.2 0	1447.6 0	1465.2 0
5)	FS Statistics: Count: 12	Average: 34.2 mm
•	k1: 1.568	St. Dev.: 2.55 mm
	,	,

	Sample	7		Size:	C1				Sample	8		Size:	C1			
		Front Pa	nel			Back Pa	nel			Front Pa	inel			Back Pa	nel	
Shot	Avg, Vel.	Perf	BFS		Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS	
Number	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	{Y≈1/N=0}	(mm)	Note	(ft/sec)	(Y=1/N=6)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note
1	1426.5	0	39.0		1447.2	0	35.0		1413.2	0	37,0		1441.1	0	39.0	
2	1448.9	0	38.0		1445.1	0	33.0		1438.4	0	41.0		1451.6	0	37.0	
3	1444.7	0	40.0		1447.2	0	33.0		1441.1	0	38.0		1446.3	0	37.0	
4	1405.7	0			1455.4	0			1460.1	0			1441.1	0		
5	1446.6	0			1452.6	0			1455.2	0			1464.3	0		
6																
7																
8																j
Summar	y:	Perfor	ations:	0	(Pass)			BFS	Statistics:	Count:	12		Average:	37.3	mm	ì
ŀ	-	Maximun	n BFS:	41.0	mm					k1:	1.568		St. Dev.:	2.53	mm	
						(Pass - N	o BFS	greater	then 44 r	nm)						

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Perforation and BFS Summary Data

 Report Number:
 11901-66
 Test ID:
 PBS09-001916
 Report Date:
 01/05/12

 Manufacturer:
 POINT BLANK SOLUTIONS, INC
 Model Designation:
 All-2
 NIJ Armor Type:
 2

Threat 1 - Conditioned Armor

Ammunition: 9mm 124/FMJ Test Velocity: 1245 ± 30 ft/s Water Submersion: No Shot-to-Edge: 2 inches

	Sample	21		Size:	C5			•	Sample	22		Size:	C1			
		Front Pa	nel			Back Pa	nel			Front Pa	anel	- " - " - " - " - " - " - " - " - " - "		Back Pa	nel	
Shot	Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS	
Number	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mim)	Note
1	1218.0	Ó	310		1250.3	0	310		1246.7	0	30.0		1268.1	0	320	
2	1231.5	0	33.0		1243.2	0	33.0		1253.8	0	33.0		1254.4	0	133 u	
3	1239,5	0	39.0		1256.6	0	22.0		1234.9	0	310		1236.4	0	54 U	
4	1258.0	0			1238,4	0			1246.0	0			1237.6	0		
5	1274.4	0			1260.1	0			1234.3	0			1234.9	0		
6	1265.8	0			1263.7	0			1250.3	0			1227.4	O		
7																
8																
Summar	y:	Perfor	ations:	0	(Pass)					Perfor	ations;	0	(Pass)			
	•	Maximun	n BES	33 €	ent (ne r	eguiremer	nt)			โก้ยะเกาเม	n BES	34.0	mm mais	equationer	nt)	

Threat 2 - Conditioned Armor

 Ammunition:
 .357 Mag
 158/JSP
 Test Velocity:
 1340
 ± 30 ft/s
 Water Submersion:
 No

 Shot-to-Edge:
 3
 inches

	Sample	23		Size:	C5				Sample	24		Şize:	C1			
1		Front Pa	inel			Back Pa	nei			Front Pa	inel			Back Pa	nel	
Shot	Avg. Vel.	Perf	BFS		Avg. Vel.	Perf	BFS		Avg. Vet.	Perf	BFS		Avg. Vel.	Perf	BFS	
Number	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note	(ft/sec)	(Y=1/N=0)	(mm)	Note
1	1339.0	0	31.0		1341.6	0	30.0		1344.1	0	37.6		1330.3	0	37.0	
2	1357.2	0	32.9		1359.6	0	33.0		1328.7	0	34.0		1336.7	0	37.0	
3	1341.6	0	37.0		1356.3	0	36.0		1363.0	0	30.0		1320.0	0	36.6	
4	1358.7	0			1349.0	0			1361.3	0			1360.5	0		
5	1353,0	0			1350.6	0			1339.9	0			1340.8	0		
6	1357.2	0			1348.8	0										
7																
8																
Summar	y:	Perfor	ations:	Ö	(Pass)					Perfor	ations:	0	(Pass)			
	•	Masono	r BES	37.0	mon (no r	equiremai	1t)			Maximun	n BFS.	37.0	mm (no r	อสุนเกอกเอา	¥.	

Overall P-BFS Summary

Perforations: This requirement is for all P-BFS tested samples - New and Conditioned

0 This armor model meets the perforation performance requirements of NIJ Standard-0101.06 Section 7.8.8.

Backface Signature: This requirement is for New armors only

Maximum BFS: 41.0 mm

This armor model meets the BFS performance requirements of NIJ Standard-0101.06 Section 7.8.8 Item a.

Compliance Test Report revision 4 (2009-08-02) / R version 2.7.1 (2008-08-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

NIJ Standard-0101.06 July 2008

Ballistic Limit Summary Data

 Report Number:
 11901-66
 Test ID:
 PBS09-001916
 Report Date:
 01/05/12

 Manufacturer:
 POINT BLANK SOLUTIONS, INC
 Model Designation: All-2
 NIJ Armor Type:
 2

Threat 1 - New Armor

Ammunition: 9mm 124/FMJ Reference Velocity: 1305 ± 30 ft/s Water Submersion: No

	Sample	11		Sample	11		Sample	12		Sample	12		Sample	13	
	Front	Panel		Back	Panel		Front	Panel		Back	Panel		Front	Panel	
Shot	Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf	
Number	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note
1	1319.3	0		1328.7	0		1342.3	0		1329.4	0		1326.4	0	
2	1495.0	Õ		1476.0	ŏ		1453.1	Ŏ		1449.3	Ö		1473.2	Ō	
3	1595.9	Ö		1580.0	Ö		1574.3	ŏ		1539.4	Ö		1576.5	0	
4	1705.0	1		1663.9	Ö		1626.3	Ō		1633.5	1		1633.5	Ō	
5	1564.5	ò		1761.8	1		1722.1	1		1544.9	Ó		1732.8	1	
6	1645.5	ő		1837.6	1		1646.9	1		1599.2	Ō		1661.7	1	
7	1707.65	ő		1587.81	Ċ		1549.19	Ó		1655.36	ō		1606.17	0	
8	1764.29	1		1676.73	Ō		1595.92	Ö		1681.8	ō		1620.22	0	
9	1716.74	ò		1712.63	Ö		1663.89	1		1757.47	1		1685.49	1	
10	1768.66	1		1749.17	1		1583.28	Ö		1703.58	1		1601.54	0	
11	1672.8	ò		1724.73	i		1647.99	ő		1618.12	ò		1669.17	0	
12	1734.3	0		1650.44	1		1707.65	1		1694.34	Ö		1714.09	0	
13	,,,,,,,,	U		1000.44			11107.00	,		1001.01	•		,,,,,,,,	-	
14															
15															
- 13	Sample	13		Sample	14		Sample	14		Sample	15		Sample	15	
	Back	Panel		Front	Panel		Back	Panel		Front	Panel		Back	Panel	
Shot	Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf	
Number	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note
1	1373.1	0	11010	1336.9	0	11010	1303.1	0		1306.8	0		1322.4	0	
2	1467.4	Õ		1489.9	ō		1432.3	Ö		1470.2	ō		1446.3	Ö	
3	1554.7	0		1589.1	ŏ		1544.9	0		1575.5	Ŏ		1568.9	0	
4	1638.3	1		1684.1	1		1594.9	Õ		1672.8	1		1665.3	1	
5	1552.3	Ó		1546.1	ò		1727.4	1		1599.5	ò		1574.3	0	
6	1596.9	Ô		1597.2	o o		1658.9	1		1642.0	0		1606.2	Ō	
7	1695.78	1		1661.68	1		1572.33	Ö		1699.52	ő		1658.93	Ö	
8	1611.09	Ó		1585.79	ò		1640.69	Ő		1746.42	1		1719.4	1	
9	1677.85	1		1600.51	Ö		1690.62	1		1712.92	1		1693.19	1	
10	1626.28	1		1665.28	Ö		1650.44	1		1688.05	1		1635.86	1	
11	1515.38	0		1704.74	0		1566.66	Ó		1598.21	i 1		1542.73	Ó	
12	1583.28	0		1760.25	0		1604.11	0		1651.8	ó		1592.36	0	
13	1303.20	v		1100.23	U		1004.11	U		1031.0	Ū		1002.00	v	
14															
15															
Summan	<u> </u>	Tob	al Heak	le Shots:	120	Accep	table		De	l rforatione	below 133	35 ft/c	0	Acceptabl	_
	•	Complet (37	Accep				ino auona	DEIOW 100	JJ 103.	Ů	7 toocpiabl	`
'		ops (Parti		,	83	Good	labic	Test (Data aı	nd Reares	sion Mod	lel			
ļ	Ot	ops (i ai iii	ar Cric	ualiona).	00	0000				-					
	Regres	sion Ana	lveie		1.0			- 		•	>				
	Regression		-	gistic	0.9			1			<i></i>				
	Model Par		β0:	-43.5	0.8									Test Data	
· '	WOUGH L	ameters.	β1:	0.026	_ 0.7				i	1			*		
			Þ.	0.020	_≥ 0.7			11]	\mathcal{F}				V Ref.	1
İ	Fetim:	ated V50:	1677	ftle	Probability 0.6 0.7				i	7			-	─V Ref. + 30	
	Laurie	ateu voo.	1077	103	0.5					/			40000000	Est. Respon	se
	Ection	ated V05:	1563	ft/c	₽ 0.4			11		~~f;~~				■ Est. V50	
	ESUITI	aleu vuo.	1000	105	0.3		* * * * * * *	1		~/				—Est. V05	
Drobo	abiliby of p	erforation	at NH L	oforoneo	0.2	1		- [1 ;		· / · · · · ·				Cat. 400	
	, ,	erroration 5 ft/sec):			0.1	1	* * * * * * * *	h::::-	ىر	£					
vei	wury (13t	o msec).	U.U /0	Acceptab	0.0				904 @p	in representation of	- 				
					•	1000	1200	1400	1	600	1800	2000			
										4- 5					
								Velo	city (ft	(5)					l

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

 Report Number:
 11901-66
 Test ID:
 PBS09-001916
 Report Date:
 01/05/12

 Manufacturer:
 POINT BLANK SOLUTIONS, INC
 Model Designation: All-2
 NIJ Armor Type: 2

Threat 2 - New Armor

Ammunition: 357 Mag 158/JSP Reference Velocity: 1430 ± 30 ft/s Water Submersion: No

	Sample	16		Sample	16		Sample	17		Sample	17		Sample	18	
	Front	Panel		Back	Panel		Front	Panel		Back	Panel		Front	Panel	
Shot	Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf	
Number	(ft/sec)	{Y=1/N=0}	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note
1	1437.8	0		1409.6	' 0		1423.3	0		1416.4	0		1416.0	0	
2	1512.2	Ö		1514.5	Ö		1497.0	ō		1504.0	Ô		1522.8	0	
3	1592.6	Ö		1597.2	1		1595.9	0		1606.2	1		1620.5	1	
4	1632.1	1		1475.1	ò		1632.1	1		1499.9	ò		1537.3	0	
5	1592.6	Ó		1557.9	0		1552.6	Ö		1555.7	0		1564.5	ő	
	ı	0		1593.6	0		1614.5	0		1611,1	0		1568.9	0	
6	1611.1	_			-		ı	1			1		1615.77	0	
7	1649.35	1		1622.59	0		1627.34			1653.99			1	-	
8	1594.65	0		1688.05	1		1614.47	1		1581.03	1		1647.99	1	
9	1649.35	1		1639.62	1		1537.53	0		1520.45	1		1603.85	0	
10	1622.59	1		1617.86	1		1557.88	1		1460.71	0		1652.89	1	
11	1575.55	0		1551.83	0		1539.65	0		1486.11	0		1627.34	1	
12	1619.17	1		1594.65	1		1585.54	0		1537.28	0		1600.51	0	
13															
14															
15															
	Sample	18		Sample	19		Sample	19		Sample	20		Sample	20	
	Back	Panel		Front	Panel		Back	Panel		Front	Panel		Back	Panel	
Shot	Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf		Avg. Vel.	Perf	
Number	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note
1	1437.8	0	14014	1437.8	0		1465.4	0		1437.6	0		1416.8	0	
2	1535.4	0		1585.5	0		1569.9	1		1495.9	0		1505.1	Ö	
	1	1			0		1485.0	Ů		1605.1	0		1612.1	1	
3	1598.2	-		1615.8	-					l			I	ò	
4	1531.2	0		1747.6	0		1583.5	0		1649.6	0		1539.6		
5	1586.8	0		1829.6	1		1608.5	0		1748.0	1		1574.6	1	
6	1636.9	0		1778.4	1		1674.2	0		1632.1	1		1558.8	1	
7	1633.45	0		1689.48	1		1722.06	1		1555.45	0		1486.11	0	
8	1698.37	1		1619.17	0		1690.62	0		1590.08	0		1531.16	0	
9	1625.23	1		1691.77	0		1774.31	0		1663.9	1		1564.46	0	
10	1600.51	1		1763.05	1		1863.59	1		1613.17	1		1630	1	
11	1588.06	0		1695.79	0		1779.99	1		1599,24	1		1551.36	1	
12	1602.82	1		1763.05	1		1740.95	1		1545.84	0		1528.82	0	
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Summary	_						abla		ге	illulations	DEIOW 140	00 105.	v	Acceptant	C
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	Regression			gistic	0.9	+	* * * *** * *		r	· · · · · /			•	Test Data	
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					1	000	1200	1400	1	600	1800	2000			
								Velo	city (ft	s)					

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

Ballistic Limit Summary Data

Report Date: 011006... NIJ Armor Type: Report Number: 11901-66 Test ID: PBS09-001916 Manufacturer: POINT BLANK SOLUTIONS, INC Model Designation: All-2

Threat 1 - Conditioned Armor

124/FMJ 9mm 1245 ± 30 ft/s Test Velocity: Wet: No

Thi	reat 2 -	Conditione	d Armor	
Ammunition:	.357	Mag	158/JSP	
Test Velocity:	1340	± 30 ft/s	Wet:	Νo
_				

	Sample	25		Sample	25	
	Front	Panel		Back	Panel	
Shot	Avg. Vel.	Perf		Avg. Vel.	Perf	
Number	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note
1	1243.2	0		1244.7	0	
2	1368.7	0		1363.9	0	
3	1474.1	0		1453.1	0	
4	1586.8	0		1523.7	0	
5	1676.7	1		1644.2	1	
6	1618.1	0		1581.3	0	
7	1663.89	1		1627.34	0	
8	1614.47	0		1655.36	1	
9	1673.92	1		1613.42	0	
10	1611.86	0		1690.62	1	
11	1649.08	0		1619.17	1	
12	1689.19	0		1595.92	0	
13						
14						
15						
Summar	y:					
	Tot	al Usable S	Shots:	24	Acceptable	э
	P	erforations	(CP):	7		
		Stops	(PP):	17		
Pe	rforations	below 127	'5 ft/s:	0	Acceptable	e
1	-	sion Anal	-			
		n Model:				
	Model Par	ameters:	β0:	-80.1		-

	Sample	26		Sample	26	
1	Front	Panel		Back	Panel	
Shot	Avg. Vel.	Perf		Avg. Vel.	Perf	
Num	(ft/sec)	(Y=1/N=0)	Note	(ft/sec)	(Y=1/N=0)	Note
1	1333.5	0		1329.4	0	
2	1444.5	0		1461.6	0	
3	1547.0	0		1550.4	0	
4	1564.9	0		1566.7	0	
5	1667.8	1		1672.8	1	
6	1598.2	0		1594.9	1	
7	1646.9	0		1578.78	1	
8	1696.93	1		1500.15	0	
9	1637.2	1		1574.56	1	
10	1587.81	1		1532.1	0	
11	1555.69	1		1565.44	0	
12	1515.38	0		1574.31	1	
13						
14						
15						
Summ	ary:					
	Tot	al Usable	Shots:	24	Acceptabl	е
l	P	erforations	(CP):	10		
		Stops	(PP):	14		
l Da	rforations	bolow 137	70 ft/c	0	Accontabl	_

Perforations below 1370 ft/s: Acceptable

Regression Analysis

Regression Model: Logistic

Model Parameters: β0: -48.1

0.030 β1:

Overall Ballistic Limit Summary

Perforations below Vref + 30 ft/sec:

β1:

0.049

0 This requirement is for all Ballistic Limit tested samples - New and Conditioned

This armor model meets the low perforation velocity performance requirements of NIJ Standard-0101.06 Section 7.9.5.

Probability of perforation at the P-BFS reference velocity This requirement is for New armors only

Threat 1: 0.0%

Threat 2: 3.3%

This armor model meets the estimated V05 performance requirements of NIJ Standard-0101.06 Section 7.9.5.

Compliance Test Report revision 4 (2009-08-02) / R version 2.7.1 (2008-06-23) / MS Excel version 11.0 / Operating System version Windows (32-bit) NT 5.01

c - Too close to edge

NIJ Standard-0101.06 July 2008

NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

#VALUE!

	Report I	Number:	1190	01-66	_	Repor	t Date:	01/05	/12	-	Test Date:	
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	NIJ AIIII	or type.			=			water	Subini	2151011.	#VALUE:	•
	TEST DIM	ENSIONS:			17.20			Velocity 1: Velocity 2:		-	Lab Technician(s):	
							#VAL	.UE!				
							Front I	Panel				
Pane	l Serial	No:		#VALU	<u>E!</u>		Plate S	Serial No:			#VALUE!	
PRE-T	EST CLAY	VALIDAT	ION:				D	rop Numb	er			
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		of Day:			Indent:		100 (Sale)	0.6060000000000000000000000000000000000				
Cla	ay Temp	erature:		F		Require	ements	: All drops:	19 ± 3		verage: 19 ± 2 mm	
										Pass:	-	
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		W					FRONT	PANEL				
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.		Fair	Perforate		BFS		
No.	(µs)	(ft/s)	(µs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)_	Comr	nents
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NOTES	E Time ay Temp	llock ID: of Day: erature:		F	Indent:	Require	ements		1 10 2 / 0 Com	mm , A Pass:		

f - Excessive area impacts (test terminated)

### NIJ Standard-0101.06 July 2008

# NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

# **#VALUE!**

	Report I	Number:	119	01-66	<del></del>	Repor	t Date:	01/05	/12	_	Test Date:	
	Manut	facturer:	POINT	BLANK S	SOLUTION	S. INC			Ammu	nition:	#VALUE!	#VALUE!
			PBS09-			0,0		- Refere		elocity:		± 30 ft/s
	NIJ Arm			2				-		ersion:		1 30 103
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	TEST DIM	ENSIONS:			17.20	ft.		Velocity 1: Velocity 2:		•	Lab Technician(s):	
Pane	el Serial I	No:		#VALU	E!	-	#VAI Back   Plate				#VALUE!	
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Amb	CONDITIO ient Temp: . Humidity:	Start	End	F %	Start:			n HH;mm HH:mm min	C	Start: End: Duration:		HH:mm HH:mm min
							BACK	DANEI				
Shot	Time 1	Vel. 1	Time 2	Vel. 2	Vel. Avg.	I	Fair	Perforate	T	BFS		
No.	(µs)	(ft/s)	(μs)	(ft/s)	(ft/s)	Angle	(Y/N)	(Y=1/N=0)	Note	(mm)	Comr	nents
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# NATIONAL INSTITUTE OF JUSTICE **COMPLIANCE TEST REPORT**

## **#VALUE!**

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Enter No. 1 2 3 4	Ambi Rel VIJ Armo	ient Temp: . Humidity: or Types Time 1	Vel. 1 (ft/s) 0 0	IV Samp	Vel. 2 (ft/s) 0 0	End: Duration: Der(s) in Re BL P. Vel. Avg.	emarks Coli	umn as Ap t sult	HH:mm min plicable Used	F	Remarks	
Enter N  Shot No. 1 2 3 4 5	Ambi Rel VIJ Armo	ient Temp: . Humidity: or Types Time 1	Vel. 1 (ff/s) 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0	End: Duration: Der(s) in Re BL P. Vel. Avg.	emarks Coli	umn as Ap t sult	HH:mm min plicable Used	F	Remarks	
Enter N  Shot No. 1 2 3 4 5 6	Ambi Rel VIJ Armo	ient Temp: . Humidity: or Types Time 1	Vel. 1 (ff/s) 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0	End: Duration: Der(s) in Re BL P. Vel. Avg.	emarks Coli	umn as Ap t sult	HH:mm min plicable Used	F	Remarks	
Enter No. 1 2 3 4 5 6 7	Ambi Rel VIJ Armo	ient Temp: . Humidity: or Types Time 1	Vel. 1 (ff/s) 0 0 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0	End: Duration: Der(s) in Re BL P. Vel. Avg.	emarks Coli	umn as Ap t sult	HH:mm min plicable Used	F	Remarks	
Enter No. 1 2 3 4 5 6 7 8	Ambi Rel VIJ Armo	ient Temp: . Humidity: or Types Time 1	Vel. 1 (ff/s) 0 0 0 0 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0 0	End: Duration: Der(s) in Re BL P. Vel. Avg.	emarks Coli	umn as Ap t sult	HH:mm min plicable Used	F	Remarks	
Enter No. 1 2 3 4 5 6 7 8 9	Ambi Rel VIJ Armo	ient Temp: . Humidity: or Types Time 1	Vel. 1 (ff/s) 0 0 0 0 0 0 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0 0 0 0	End: Duration: Der(s) in Re BL P. Vel. Avg.	emarks Coli	umn as Ap t sult	HH:mm min plicable Used	F	temarks	
Enter No. 1 2 3 4 5 6 7 8 9 10	Ambi Rel VIJ Armo	ient Temp: . Humidity: or Types Time 1	S III and  Vel. 1 (ft/s) 0 0 0 0 0 0 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0 0 0 0	End: Duration: Der(s) in Re BL P. Vel. Avg.	emarks Coli	umn as Ap t sult	HH:mm min plicable Used	F	Remarks	

Remarks:

a - Too close to edge

Count:

b - Too close to prior impact

# NATIONAL INSTITUTE OF JUSTICE COMPLIANCE TEST REPORT

# **#VALUE!**

	1	Report N	lumber:	1190	01-66	. R	eport Date:	01/0	5/12	Test Date:	
		Manuf	acturer:	: POIN	IT BLAN	K SOLUTIO	ONS, INC	Am	munition:	#VALUE!	#VALUE!
			Test ID:		PBS	09-001916		•	-		
		NIJ Arme	or Type:		2			Water Sub	mersion:	#VALUE!	
			,,,,						· · · ·		
		TEST DIM	ENSIONS	Laborator		17.20		s etilos Noteli, la s	Velocity 1:	5:00 ft. 5:00 ft.	
				Lab Tec	лицан(ъ).			(60,000,000,000,000			
							Sample re				
						В	ack Panel				
Panel	Serial No	o:			#VALU	E!	_	Plate Seria	al No:	#VALUE!	
	ST CLAY V			i.							,
	lock ID:			<u>.</u>				Drop 1	Drop 2	Drop 3 Drop 4 D	rop 5 Avg.
Time	of Day:			HH:mm		Depth	of Indent:				303333
/ Temp	erature:			F			F	tequirement	ts: All drops	: 19 ± 3 mm , Ave	-
											Pass: -
TEST CO	Ambi	ient Temp:		F		Start	Firing Se		HH:mm		
	Kei	. Humidity:		_%			l:		HH:mm min		
Enter I					le Numt	Duration per(s) in Re	emarks Col	umn as Ap	min		
Enter I					le Numt	Duration per(s) in Re	emarks Col	umn as Ap	min		
Enter I					le Numt	Duration per(s) in Re	emarks Col	umn as Ap	min		
	NIJ Armo	or Types	III and	IV Samp		Duration per(s) in Re	emarks Col	umn as Ap t suit	min plicable	Rema	arks
Shot	NIJ Armo	or Types	Vel. 1	IV Samp	Vel. 2	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No.	NIJ Armo	or Types	Vel. 1	IV Samp	Vel. 2 (ft/s)	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No.	NIJ Armo	or Types	Vel. 1 (ft/s)	IV Samp	Vel. 2 (ft/s)	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No.	NIJ Armo	or Types	Vel. 1 (ft/s) 0	IV Samp	Vel. 2 (ft/s) 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2	NIJ Armo	or Types	Vel. 1 (ft/s) 0 0	IV Samp	Vel. 2 (ft/s) 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3	NIJ Armo	or Types	Vel. 1 (ft/s) 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3 4 5	NIJ Armo	or Types	Vel. 1 (ft/s) 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3 4 5 6	NIJ Armo	or Types	Vel. 1 (ft/s) 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3 4 5 6	NIJ Armo	or Types	Vel. 1 (ff/s) 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3 4 5 6 7 8	NIJ Armo	or Types	Vel. 1 (ft/s) 0 0 0 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3 4 5 6 7 8 9	NIJ Armo	or Types	Vel. 1 (ff/s) 0 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0 0 0 0 0 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3 4 5 6 7 8 9	NIJ Armo	or Types	Vel. 1 (ff/s) 0 0 0 0 0 0 0 0 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3 4 5 6 7 8 9 10 11	NIJ Armo	or Types	Vel. 1 (ft/s) 0 0 0 0 0 0 0 0 0 0 0 0 0 0	IV Samp	Vet. 2 (ft/s) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3 4 5 6 7 7 8 9 10 11 12	NIJ Armo	or Types	Vel. 1 (ft/s) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3 4 5 6 7 8 9 10 11 12 13	NIJ Armo	or Types	Vel. 1 (ft/s) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks
Shot No. 1 2 3 4 5 6 7 7 8 9 10 11 12	NIJ Armo	or Types	Vel. 1 (ft/s) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	IV Samp	Vel. 2 (ft/s) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Duration Der(s) in Re BL P Vel. Avg.	emarks Col	umn as Ap t suit	plicable Used	Rema	arks

b - Too close to prior impact

c - Impact on seam



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 11/02/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

	ertificate holder in lieu of such endors				nauise	ment water	rement on a	ils certificate does not come	r rights to the	
PRODUCER					CONTACT NAME:					
Marsh USA Inc. 1560 Sawgrass Corporate Pkwy, Suite 300					PHONE (A/C N	PHONE   FAX   (A/C, No.):   (A				
Sunrise, FL 33323					E-MAIL ADDRESS:					
						INSURER(S) AFFORDING COVERAGE NAIC #				
077470-PB-GAWUX-12-13					INSURER A : Federal Insurance Company				20281	
INSURED Point Blank Enterprises					INSURER B: Ironshore Specialty Insurance Co.				25445	
2102 SW 2nd Street					INSURER C:					
Pompano Beach, FL 33069					INSURER D:					
					INSURER E:					
					INSURER F:					
COVERAGES CERTIFICATE NUMBER:						-003058872-04		REVISION NUMBER: 4		
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.										
INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
Α	GENERAL LIABILITY			3595-6121		10/31/2012	10/31/2013	EACH OCCURRENCE \$	1,000,000	
	X COMMERCIAL GENERAL LIABILITY	ĺ						DAMAGE TO RENTED PREMISES (Ea occurrence) \$	1,000,000	
	CLAIMS-MADE X OCCUR							MED EXP (Any one person) \$	10,000	
								PERSONAL & ADV INJURY \$	1,000,000	
								GENERAL AGGREGATE \$	2,000,000	
	GEN'L AGGREGATE LIMIT APPLIES PER:  X POLICY PRO- LOC							PRODUCTS - COMP/OP AGG \$	1,000,000	
Α	AUTOMOBILE LIABILITY			7357-1521		10/31/2012	10/31/2013	COMBINED SINGLE LIMIT (Ea accident) \$	1,000,000	
	X ANY AUTO							BODILY INJURY (Per person) \$		
	ALL OWNED SCHEDULED AUTOS							BODILY INJURY (Per accident) \$		
	X HIRED AUTOS X AUTOS AUTOS AUTOS	İ						PROPERTY DAMAGE S (Per accident)		
		ĺ						PHYS DAMAGE - DED. \$	1,000	
Α	X UMBRELLA LIAB X OCCUR	i		7987-7091		10/31/2012	10/31/2013	EACH OCCURRENCE \$	5,000,000	
	EXCESS LIAB CLAIMS-MADE							AGGREGATE \$	5,000,000	
	DED RETENTION\$							s		
Α	WORKERS COMPENSATION AND EMPLOYERS LIABILITY			7174-3531		10/31/2012	10/31/2013	X WC STATU- OTH- TORY LIMITS ER		
	ANY PROPRIETOR/PARTNER/EXECUTIVE N	N/A						E.L. EACH ACCIDENT \$	1,000,000	
	(Mandatory in NH)	1177						E.L. DISEASE - EA EMPLOYEE \$	1,000,000	
	If yes, describe under DESCRIPTION OF OPERATIONS below							E.L. DISEASE - POLICY LIMIT \$	1,000,000	
В	EXCESS LAYER LIABILITY			001502200		10/31/2012	10/31/2013	EACH OCCURRENCE	20,000,000	
		1						AGGREGATE	20,000,000	
		L								
	DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)									
Gali's	Gall's and its affiliates are included as additional insured (except workers' compensation) where required by written contract.									
<u></u>										
CERTIFICATE HOLDER					CANCELLATION					
Gall's 2680 Palumbo Drive Lexington, KY 40509-1000					SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.					
					AUTHORIZED REPRESENTATIVE of Marsh USA Inc.					

Sandra Rue

Sandi Lee







# **QUALITY CONTROL**

PACA has established a quality management system detailed in the Quality System Manual that is in compliance with the International Quality System Standard ISO 9001:2008. All elements of the standard apply to operations at the PACA Body Armor plant in Jacksboro, Tennessee with the exception of design and development validation. These processes are validated through Point Blank Solutions, Inc. Technology Center. PACA is a wholly owned subsidiary of Point Blank Solutions, Inc., a publicly held company.

At PACA we take quality seriously because we know that an officer's life may depend on it. Technology has given us better materials to incorporate into our body armor - and deadlier weapons to work against. With the use of advanced, bullet resistant materials, persistent research and development, and product testing, we provide lifesaving ballistic protection that is as comfortable and wearable as possible.

We design and manufacture soft body armor, ballistic blankets, prison cell extraction suits, training and tactical equipment for law enforcement agencies, correctional facilities, federal government and military agencies.

PACA Body Armor's top management is committed to quality because it is essential to the success of our company. The policy of PACA Body Armor is to produce quality products that fully satisfy customer expectations. We recognize quality is the responsibility of each individual, and every employee is expected to pursue continuous improvement in the quality and productivity of products and services provided.

At PACA it is our policy to meet or exceed each customer's quality needs and expectations today and concurrently anticipate the requirements of tomorrow. Quality control and quality assurance are vital links in the production and assembly process. Quality is planned and built into every product made at PACA Body Armor.

We know that our immediate and long term success is dependent on supplying our customer's service and product that fully meets their requirements, on time, every time, at a fair price. We know that we are not alone in this effort. We must work with our customer to get all information necessary to make sure that we can understand their requirements. We must work with our suppliers to make sure that all purchased materials and services fully meet our requirements. Our vision is to build a relationship with our customers and suppliers to ensure quality is never compromised.

The PACA Body Armor Quality Policy Statement, summarizing the importance of the key attributes of our Quality Management System, shall be known and understood by all employees.

We have assembled an ISO Steering Committee who will develop and review quality objectives frequently. These objectives will be reviewed by Upper Management.

Documentation of the PACA Body Armor quality program is organized in four tiers:

- a. Quality System Manual is the highest tier quality document and addresses the company policy and over-arching requirements at the company level. The Quality System Manual generally explains "what" the quality system addresses.
- Quality Assurance Procedures are second tier quality documents that tell "how" the requirements are ISO 9001 will be met. The Quality Assurance Procedures are tied directly to specific elements of ISO 9001:2008.
- Quality Work Instructions are the third tier documents used in the quality program. Work Instructions are brief and focus on specific tasks.
- d. Forms are the lowest tier.

Nationwide 800-413-5155 Phone 954-630-0900 Fax 954-630-9225 We have prepared documented processes consistent with the company quality policy and the requirements of ISO 9001:2008. The Quality System Manual, Quality Assurance Procedures, and Quality Work Instructions are tools to assure that the PACA quality management system is implemented throughout the company and is understood at all levels.

The range and detail of the Quality Assurance Procedures and Quality Work Instructions address the complexity of the work, the methods used, and the skills and training needed by employees to carry out their tasks.

PACA has established and maintains documented processes for contract review and coordination of these activities. The Contract Review Team is assigned the task of ensuring that all potential contracts are properly reviewed before responding to a bid, entering into a contract, accepting a purchase order, or initiating production.

PACA's Product Development Personnel are responsible for maintaining documented processes to control and verify the design of the product in order to ensure that specified requirements are met.

The document and data control system is designed to ensure that the information used in the production of product or parts is clear, complete, correct and current. Quality records are maintained to demonstrate achievement of the required quality and the effectiveness of the quality system.

The purchasing system is constructed to ensure that purchased material conforms to specified requirements. Purchases are to be made only from approved vendors who have demonstrated capability and performance or who have a documented quality system.

Documented processes exist to ensure that if a customer has supplied us with product the utmost attention is given to maintain and store the product in such a manner as to prevent deterioration or loss.

All products purchased or customer supplied is handled, stored, packaged, and preserved in such a way to prevent damage or deterioration through all processes including delivery of the finished product to the final destination.

Systems are in place to ensure that product and parts are identifiable to all applicable drawings and/or specifications throughout all stages of production and delivery. Process control procedures ensure that production operations are planned and verified and that they are proceeding under controlled conditions in the specified manner and sequence.

Incoming material inspection shall verify the conformance of incoming raw materials and products. In-process inspection, final inspection, and testing shall ensure conformance to product specifications.

To ensure conformity of product or parts inspection and testing is used at appropriate points in receiving of incoming materials, during the manufacturing process and before product is released for shipment. Tools and gages used for measuring are of the type; range, accuracy, and precision appropriate to the product, the part, and the process. The calibration system assures that the measuring and test equipment are calibrated, adjusted, repaired or replaced prior to becoming inaccurate. The inspection and test status of the product or parts are clearly identified by marking, tags, labels, inspection records, test reports, physical location or other suitable means which indicated the conformance or nonconformance of the product.

To insure that ultimate quality products are released for shipment we have included in our Quality Assurance Procedures plans that have been established and implemented to ensure that product, whether it is incoming raw materials or product in process which are, or become non conforming is prevented from unintended use. This procedure includes identification, documentation, evaluation, segregation, and disposition.

If a nonconformance occurs, the corrective action plan is activated. Anyone seeing the need for corrective action is responsible for reporting the problem to the proper supervisor or manager. When possible, the root cause of the unsatisfactory condition is determined, and a proposed remedy is put in place. The effectiveness of the corrective action is verified.

Internal quality audits are performed to evaluate the effectiveness of the quality system as well as the level of product conformance. Internal quality audits are planned to be sure that the audit itself is effective. Internal quality audit results are documented and reviewed with the personnel having responsibility in the area being audited.