NATIONAL INSTITUTE OF JUSTICE
COMPLIANCE TEST REPORT

NIJ Standard 0101.04
September 2000

Summary of Results

Armor Manufacturer: U.S. Armor
Armor Model No: US3A-12
Armor Style: Side Opening
NIJ Armor Type: IIIA
Report Number: 01N097
Report Date: 05/01/01

PENETRATION AND BACKFACE SIGNATURE

Test Samples (b)					Ballistic Threat					Results		
Item Number	Serial Number	Panel	Weight (lbs)	No. of Plies	Caliber	Obliquity (degrees)	Req'd Shots	Velocity (ft/s) Max.	Velocity (ft/s) Min.	Penetration (Y/N)	Deformation (mm) Shot 1	Deformation (mm) Shot 2 or 3
Sample 1	S8101	Front	3.90	34	9mm	0	4	1444	1425	N	25	25
						30	2	1436	1433			
	S8101	Back	3.98	34	9mm	0	4	1448	1420	N	25	25
						30	2	1424	1423			
Sample 2	S7701	Front	3.90	34	9mm	0	4	1446	1421	N	25	25
						30	2	1425	1421			
	S7701	Back	4.04	34	9mm	0	4	1434	1413	N	25	25
						30	2	1441	1426			
Sample 3	S8001	Front	3.88	34	44 Mag.	0	4	1416	1411	N	35	40
						30	2	1415	1409			
	S8001	Back	4.00	34	44 Mag.	0	4	1431	1416	N	35	39
						30	2	1430	1403			
Sample 4	S7901	Front	3.88	34	44 Mag.	0	4	1435	1415	N	35	40
						30	2	1435	1420			
	S7901	Back	3.97	34	44 Mag.	0	4	1441	1423	N	35	35
						30	2	1428	1418			

NOTES:

Maximum BFS: 44 mm
Ballistic Material: Aramid

P-BFS Compliance	
Penetration:	Pass
BFS:	Pass

NIJ Baseline Ballistic Limit		
Panel 1:		
Type:	10	shots
Ballistic Limit:	1663	ft/s
Std Dev. (σ):	22	ft/s
Panel 2:		
Type:	10	shots
Ballistic Limit:	1660	ft/s
Std Dev. (σ):	32	ft/s

CERTIFICATION:

Test Data Certification: Richard W. Mouser
Name

Signature

Witnessed by: 0 (Name) 0 (Representing)

Compliance Summary