

<b>Customer:</b> Peace Keeper Middle East FZC	<b>Place &amp; Date of Test:</b> Lorica Research Laboratory, Norton Barracks, Worcester, United Kingdom. 25 <sup>th</sup> March 2009
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<b>VEST SAMPLE No.1 (NIJ IIIA 9mm shoot test)</b>		<b>Identification Markings:</b>	
A ‘tabard’ style body armour vest in a blue outer cover with adjustable shoulder and waist straps having Velcro style closures. Both front and back armour panels are contained in Nylon style fabric covers and are constructed from 36 layers of two types of UHMWPE armour material having areal densities of 167g/m <sup>2</sup> and 329g/m <sup>2</sup> . On the body side there is 1 layer of foam with a thickness of 9mm having an areal density of 200g/m <sup>2</sup> .		The rear part of the outer cover bears the manufacturers label. A Model No. is not given. The size is not given. The Protection Level is given as “NIJ IIIA (4) with Plate”. The armour panel covers bear no labels.	
<b>Vest Preconditioning:</b> 22°C 55%RH	<b>Vest Weight:</b> 3.23kg	<b>Size:</b>	<b>Armour Areal Density:</b> 6.86 kg/m <sup>2</sup>
<b>Plastilina Clay Calibration:</b> Average 19.3mm			

<b>Test Standard:</b> NIJ 0101.04 IIIA	<b>Objective:</b> To determine whether this armour construction could pass qualification testing for NIJ 0101.04 IIIA.
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**Front Panel Shooting Test**

Shot No.	Ammunition	Flat, Cup, Zip	Angle (deg)	Velocity (m/s)	Energy (joules)	Layers cut	BFD depth (mm)	Notes
1	9mm FMJ R9MM2	Flat	0	437	764	13	22	Passed
2	ditto	Flat	0	425	723	7	16	Passed
3	ditto	Flat	0	429	736	5	18	Passed

4	ditto	Flat	30	430	740	4	7	Passed
5	ditto	Flat	30	429	736	2	4	Passed
6	ditto	Flat	0	424	719	7	15	Passed

**Back Panel Shooting Test**

Shot No.	Ammunition	Flat, Cup, Zip	Angle (deg)	Velocity (m/s)	Energy (joules)	Layers cut	BFD depth (mm)	Notes
1	.44Magnum SJHP	Flat	0	428	1456	16	39	Passed
2	ditto	Flat	0	435	1504	12	22	Passed
3	ditto	Flat	0	432	1484	17	23	Passed
4	ditto	Flat	30	428	1456	11	11	Passed
5	ditto	Flat	30	440	1539	12	8	Passed
6	ditto	Flat	0	437	1518	9	19	Passed

**NOTES:**

This body armour vest performed very well in this test. There were no complete penetrations and all backface deformations ('traumas') were within the limit for NIJ 0101.04 IIIA.

**Tester:** Christopher Such

**Signed:** Chris Such

Checked by Digby Dyke