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*Obtainable upon request from the Chief Executive Officer, SABS, Private Bag X191, Pretoria, 0001.

TEST REPORT



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Ballistic Testing of Body Armour SANS 1658:2007 Level III

1. TEST SAMPLES

- 1.1. Hun Tool & Projects / Liquid Bullet supplied a SAMAT Model 500 body armour panel for ballistic testing.
- 1.2. The armour was a hard armour module in standalone configuration.
- 1.3. The sample passed the ballistic criteria.

2. TEST ARRANGEMENT

- 2.1. The test was done at the SABS ballistics laboratory on 4 March 2014.
- 2.2. The armour was tested to SANS 1658:2007 Level III.
- 2.3. A Standard AVL pressure test barrel was used as weapon.
- 2.4. Striking velocities were measured 2m from the barrel on a 15m range, using a Drello 4043 ballistic chronograph.
- 2.5. Average temperature and relative humidity was not recorded.
- 2.6. Back face material calibration was done to SANS 1658:2007.
- 3. All tests were executed by J Conradie and S Matloga of SABS, and witnessed by the client.

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/4. RESULTS

4. **Test on body armour panel supplied by Hun Tool & Projects / Liquid Bullet.**

4.1. Tested to SANS 1658:2007 Level III.

4.2. **RESULTS**

The following were the test results obtained on a 15m range

Model	500	Size	---
Batch	---	Serial #	---
Specification	SANS 1658:2007	Level	III

Box number	2	Calibration (19 +2mm)	20,9
Panel	---	Weight (kg)	4,20
Calibre	7,62 x 51	Velocity (m/s)	862 +9m/s
Bullet type	FMJ	Bullet weight (gr)	143
Shot	Velocity (m/s)	Back face (44mm max)	Result
1 x 0°	869,19	1,0	Pass
2 x 0°	871,69	0,5	Pass
3 x 0°	861,62	0,0	Pass
4 x 0°	866,70	1,0	Pass
5 x 0°	860,36	2,0	Pass
6 x 0°	862,00	1,0	Pass

4.3. **OVERALL RESULT**

The armour passed the ballistic criteria with no penetrations and all back face signature measurements within prescribed limits.



S Matloga
Test Officer



J Conradie
Senior Test Officer