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## Test certificate \*

The test has been carried out according to **STANAG 2920**

Assignor                   SAVAR Kompozit Balistik Malzeme  
                                  Kayseri Serbest Bolgesi No 1  
                                  Kayseri  
                                  Turkiye

**Subject**

Ballistic experiments

**Date**

23-01-2007

**Our reference**

07BP9

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The Standard Conditions for Research  
Instructions given to TNO, as filed at the  
Registry of the District Court and the  
Chamber of Commerce in The Hague shall  
apply to all instructions given to TNO.

Experiment date       09-01-2007  
Project                 Helmet  
Sample identification   SAVAR-13

For details see page 2 upto page 4

The sample has been tested with FSP projectiles and has a ballistic limit velocity (V50) of 661 m/s with a standard deviation (SD) of 9 m/s.



T.A. van de Voorde  
Project leader

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Test certificate number 07BP9

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Experiment date 09-01-2007

Assignor SAVAR Komposit Balistik Malzeme

**Test certificate \*****Test results****Description of testmethod**

*Determination of the ballistic limit velocity (V50 value) of a sample material. The V50 value is defined as the arithmetic mean of the three lowest projectile velocities giving complete penetration and of the three highest velocities giving partial penetration. These velocities should fall within a bracket of 40 m/s (STANAG 2920, ed. 2).*

**Results**

Sample identification SAVAR-13				
Shotnumber	V-impact (m/s)	Vr (m/s)	Results	V50 (m/s)
KKW2 07SN64	621		Stopped	
KKW2 07SN65	652		Stopped	*
KKW2 07SN66	664		Perforation	*
KKW2 07SN67	662		Stopped	*
KKW2 07SN68	662		Perforation	*
KKW2 07SN69	675		Perforation	*
KKW2 07SN70	651		Stopped	*
*: indicates velocity value within bracket and used for determination of the V50 value.				
Ballistic limit velocity		: V50 = 661 m/s		
Standard deviation		: S.D. = 9 m/s		

Remarks : none

\* This test certificate can not be used as a product certification

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