



H.P. White Laboratory, Inc.
R&D STAB TESTING, NIJ-STD-0115.00

Customer : LAM ENTERPRISE

Job No. : 11057-26 Test Date : 1/14/2010

TEST SAMPLE

Manufacturer : LAM ENTERPRISE

Model : LAM-L2

Size : 12 x 12.75 in.

Weight : 1.02 lbs.

Construction : MAKE-UP: 0.6mm STAINLESS STEEL

Date Rec'd : 12/26/2009

Via : USPS

Returned : FEDERAL EXPRESS

SET-UP

Upper Drop Mass (g) : 1259

D Time Base (mm) : 30.0

Test Personnel : B.SHAFER

Lower Drop Mass (g) : 652

Standoff Distance (mm) : 12.7

Temperature (F) : 61

Rel. Humidity (%) : 26

No.	Sample Description	Blade (P1, S1, Spike)	Angle (deg.)	Desired Energy		Drop Height		Time (ms)	Impact Energy (J)	Penet. (mm)	Remarks
				Level	J	(ft.)	(in.)				
1	LAM-L2	P1	0	L2,E2	50	8	11.50	4.1600	50.20	0	
2	LAM-L2	P1	0	L3,E2	65	11	8.00	3.6600	64.70	18	
3	LAM-L2	S1	0	L2,E2	50	8	11.50	4.1700	49.96	6	
4	LAM-L2	S1	0	L3,E2	65	11	8.00	3.6400	65.41	15	
5	LAM-L2	SPIKE	0	L2,E2	50	8	11.50	4.1400	50.69	0	(a)
6	LAM-L2	SPIKE	0	L3,E2	65	11	8.00	3.6400	65.41	0	(b)
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NOTES

CUSTOMER SUPPLIED DESCRIPTION.

(a) SPIKE TIP BROKE.

(b) SPIKE BENT.

DEFINITIONS

Per NIJ-STD-0115.00, sample fails if E1 penetration > 7mm or E2 penetration > 20mm

Upper Drop Mass includes weight of 2 foam disks; Lower Drop Mass includes weight of test implement

D Time Base is distance between velocity sensors

Standoff Distance is measured from blade tip to armor surface when drop mass is at 0 position

(just breaking bottom velocity sensor beam)