

David L. Ellis Co., Inc. 310 Old High St., Box 592, Acton, MA 01720



Durometer S/N	TAG# 34790	Temp	70 deg	customer name	
Shore Type	Shore / Instron 113487	Humidity	40%	PO#	34790-CV
Cal. Date	A	Method	D2240-04	INV#	81506A
Due Date	8/22/2006	Operator	RAE	Report	82206-1
	8/22/2007				

Accredited
Certificate 1310.01

Certificate of Calibration and Compliance

Durometer Readings										
Calibrator #	Test1	Test2	Test3	Test4	test5	Average	Min	Bias	Force N	STDEV
10	10.0	10.0	10.0	10.0	10.0	10.0	10.0	0.0	1.30	0.00
20	20.0	20.0	20.0	20.0	20.0	20.0	20.0	0.0	2.05	0.00
30	30.0	30.0	30.0	30.0	30.0	30.0	30.0	0.0	2.80	0.00
40	40.0	40.0	40.0	40.0	40.0	40.0	40.0	0.0	3.55	0.00
50	50.0	50.0	50.0	50.0	50.0	50.0	50.0	0.0	4.30	0.00
60	60.0	60.0	60.0	60.0	60.0	60.0	60.0	0.0	5.05	0.00
70	70.0	70.0	70.0	70.0	70.0	70.0	70.0	0.0	5.80	0.00
80	80.0	80.0	80.0	80.0	80.0	80.0	80.0	0.0	6.55	0.00
90	89.0	89.0	89.0	89.0	89.0	89.0	89.0	-1.0	7.23	0.00

Tip Geometry	OKAY	Repeat 10-90	0.0	Load N #226	NIST 822.07/259929
Tip Extention	OKAY	STD 10-90	0.4	Length	NIST-5588 821/258508-97
Uncertainty	0.028mm	Error N	0.577	Comments	
Indentor Exten.	OK	Uncertainty	1.8 gf	Found- Reading slightly high within tolerance	
				Left- Good Condition	

This block is calibrated according to A.S.T.M. D2240 standards, ANSI (NCSL) Z540-1, (ISO) 10012, ISO/IEC Guide 17025 and MIL-STD 45662A by David L Ellis Co., Inc. A2LA certificate number 1310.01 Calibration
Expanded uncertainty uses coverage factor K=2, providing a confidence level of approximately 95%

David L. Ellis Company Representative _____ Date _____

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