



**QUALITY CALIBRATION SERVICE, INC.**

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ISO/IEC 17025 ACCREDITED

# Certificate of Dimensional Inspection

Report N 008100384  
Cover

**Part Name:** Precision Vessel  
**Part#/Rev#:** ASTM900-UN Rev A  
**Pieces:** 10  
**Machine:** Q-162  
**Inspector:** Greg C  
**Date:** 8/12/08

**For:** Quality Lab Accessories  
38 Forest Ave  
Bridgewater, NJ 08807

Depths and Perpendicularity is from underside of flange mounted on supplied inspection fixture

Inspection performed on CMM calibrated with Master Reference Standards traceable to the NIST- 821/254855-95 and calibrated to a overall volumetric accuracy of 0.00045" and a overall linear accuracy of 0.00030" in accordance with ANSI/ASME B89.1.12. Inspection is in accordance with ANSI/NSCL Z540-1 & ISO 10012-1 and Dimensional format per ANSI Y14.5M Latest Edition. Alteration of this certificate are not allowed without the expressed consent to the original metrology lab.

ASTM900-UN Rev A Data

Sample	@ 5mm depth		@ 55mm depth		@ 95mm depth		radius							depth ID to flange	Perp ID to flange
	diameter	form	diameter	form	diameter	form	0 deg	45 deg	90 deg	135 deg	radius	radius	radius		
1	101.1234	0.0222	101.2152	0.0085	101.2131	0.0089	50.6037	50.6022	50.6019	50.5938	161.9134	0.2515			
2	100.9944	0.0222	101.2213	0.0126	101.2140	0.0116	50.6023	50.5974	50.5961	50.5834	161.0304	0.4722			
3	100.9071	0.0435	101.2182	0.0121	101.2132	0.0133	50.6165	50.5983	50.6072	50.5963	161.6867	0.4540			
4	100.8922	0.0291	101.2082	0.0106	101.2009	0.0057	50.5904	50.5845	50.5912	50.5719	160.2174	0.3767			
5	100.8251	0.0484	101.1973	0.0205	101.1842	0.0189	50.5974	50.5803	50.5892	50.5748	160.8652	0.3657			
8	101.0553	0.0151	101.2217	0.0128	101.2111	0.0070	50.5940	50.5824	50.5959	50.5853	161.0333	0.2846			
7	100.9981	0.0231	101.2086	0.0093	101.1986	0.0068	50.5998	50.5895	50.6276	50.6280	161.3896	0.3809			
8	100.8237	0.0181	101.1641	0.0143	101.1532	0.0061	50.5631	50.5569	50.5617	50.5608	162.2605	0.3362			
9	101.0724	0.0230	101.1717	0.0215	101.1671	0.0105	50.5783	50.5748	50.5736	50.5739	162.0704	0.2097			
10	100.5927	0.0285	101.2079	0.0138	101.1939	0.0092	50.5996	50.5904	50.5907	50.5869	160.9234	0.6556			
Avg	100.9284	0.0293	101.2032	0.0136	101.1934	0.0098	50.5945	50.5858	50.5935	50.5845	161.3390	0.3767			
Max	101.1234	0.0485	101.2217	0.0215	101.2132	0.0189	50.6165	50.6022	50.6276	50.6280	162.2605	0.6556			
Min	100.5927	0.0151	101.1641	0.0085	101.1532	0.0057	50.5631	50.5569	50.5617	50.5608	160.2174	0.2097			
Range	0.5307	0.0334	0.0576	0.0130	0.0600	0.0132	0.0534	0.0453	0.0659	0.0672	2.0431	0.4459			
Std Dev	0.1564	0.0127	0.0202	0.0043	0.0137	0.0040	0.0147	0.0154	0.0179	0.0182	0.6396	0.1278			

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