



Proficiency Testing, Inc.

8470 Allison Pointe Blvd., Suite 100
Indianapolis, IN 46250

Phone: 317 713 2988
Fax: 317 849 9578
E-mail: service@hn-proficiency.com

Proficiency Test Report

This is the final report for the following proficiency test:

Proficiency Test/Report ID: **DEMO** Technical Advisor: Henrik S. Nielsen
Test Artifacts: Long Gage Blocks
Reference Laboratory: Joe's Laboratory A2LA Certificate # XXXX.XX
Calibration Date for Artifacts: 5/1/2001 to 5/1/2001
Start of Proficiency Test: 5/28/2001
End of Proficiency Test: 9/8/2001 Report Date: 9/15/2001

Artifact ID	Artifact	Set Point/Nominal	Reference Value	Reference Uncertainty
15	5 in Steel	5 inch	5.000008 inch	0.000008 inch
16	10 in Steel	10 inch	9.999991 inch	0.000011 inch
17	16 in Steel	16 inch	16.000022 inch	0.000018 inch

In the following pages the results reported by the participants are listed in a tabular format, as well as in a graphic representation.

Reference values and uncertainties are traceable to the SI. They are reported by a laboratory accredited by A2LA or one of A2LA's mutual recognition partners in a certificate bearing the logo of their accrediting body.

Weighed average values are calculated in accordance with HN Proficiency Testing's Procedure PRO-11. We welcome your questions, complaints and suggestions for improvement of this test and our operations in general.



Proficiency Testing, Inc.

Proficiency Test: **DEMO**
 Artifact: 5 in Steel
 Nominal Value: 5 inch
 Reference Value: 5.000008 inch
 Ref. Uncertainty: 0.000008 inch
 Report Date: 9/15/2001

Evaluation Against Reference Value

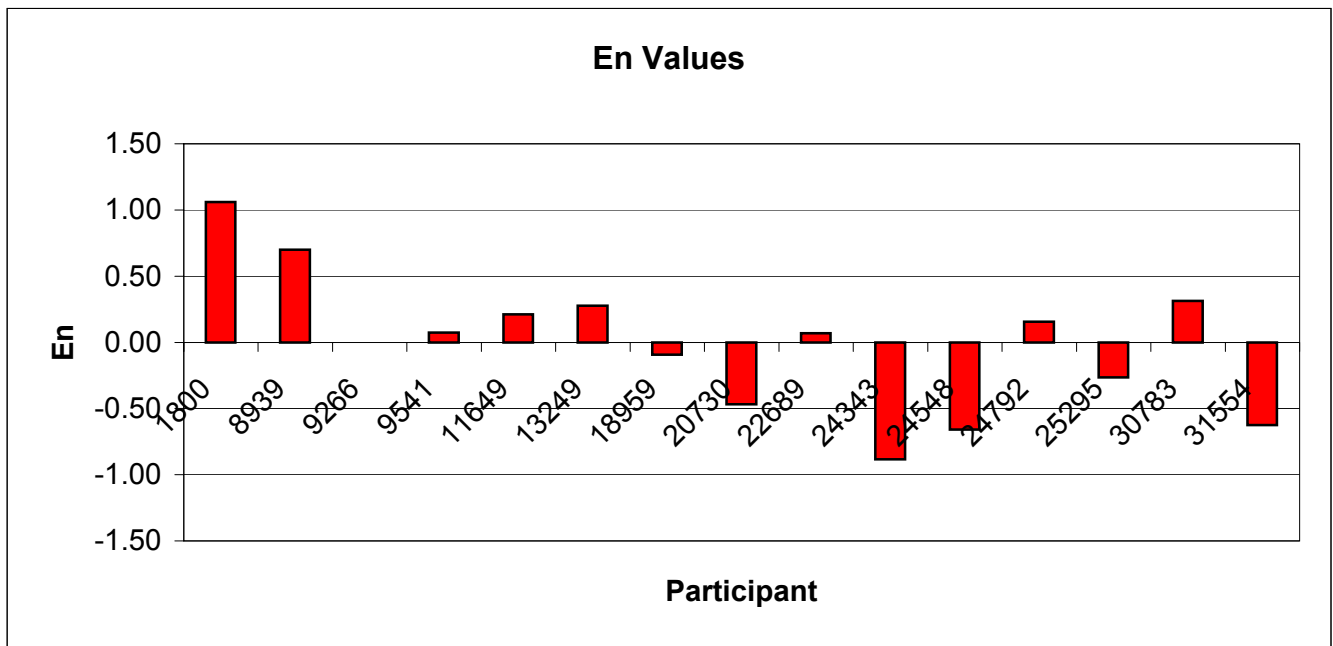
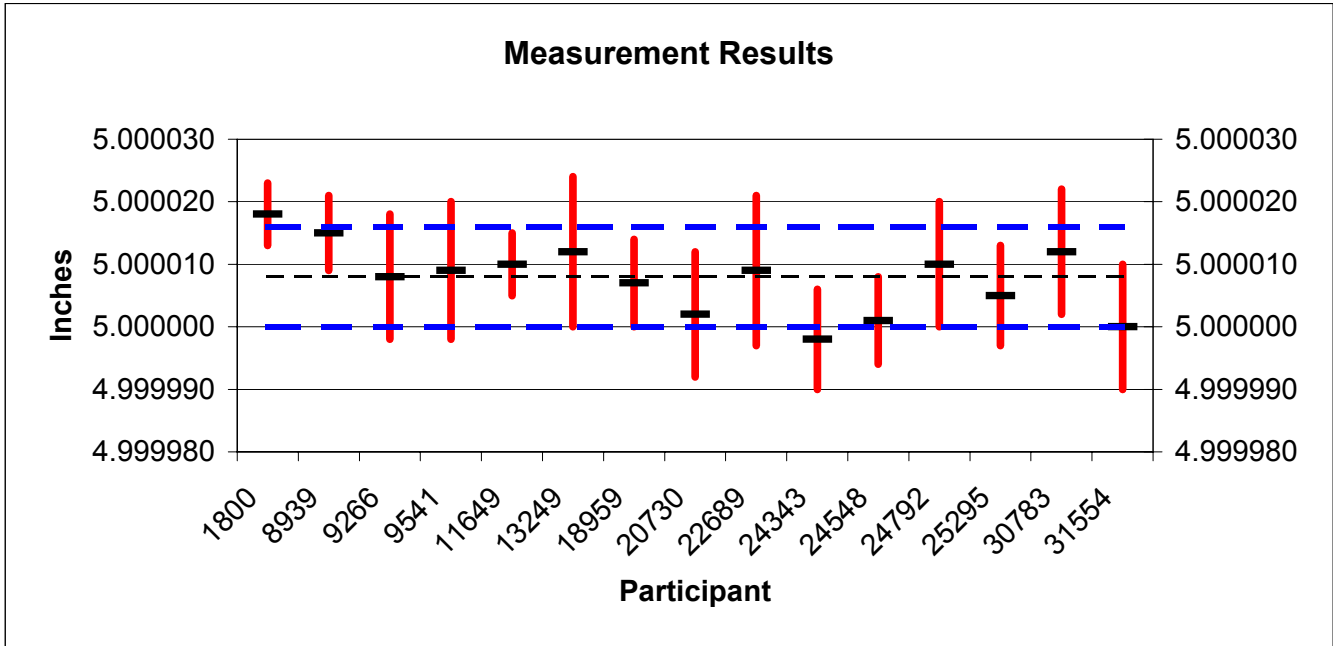
Participant	Value	Uncertainty	Error	En	S/U	I/W/O	Unc. Fact.
1800	5.0000180	0.0000050	0.0000100	1.06	U	W	20%
8939	5.0000150	0.0000060	0.0000070	0.70	S	I	
9266	5.0000080	0.0000100	0.0000000	0.00	S	I	
9541	5.0000090	0.0000110	0.0000010	0.07	S	I	
11649	5.0000100	0.0000050	0.0000020	0.21	S	I	
13249	5.0000120	0.0000120	0.0000040	0.28	S	I	
18959	5.0000070	0.0000070	-0.0000010	-0.09	S	I	
20730	5.0000020	0.0000100	-0.0000060	-0.47	S	I	
22689	5.0000090	0.0000120	0.0000010	0.07	S	I	
24343	4.9999980	0.0000080	-0.0000100	-0.88	S	W	
24548	5.0000010	0.0000070	-0.0000070	-0.66	S	I	
24792	5.0000100	0.0000100	0.0000020	0.16	S	I	
25295	5.0000050	0.0000080	-0.0000030	-0.27	S	I	
30783	5.0000120	0.0000100	0.0000040	0.31	S	I	
31554	5.0000000	0.0000100	-0.0000080	-0.62	S	W	



Proficiency Testing, Inc.

Proficiency Test: DEMO
Artifact: 5 in Steel
Nominal Value: 5 inch
Reference Value: 5.000008 inch
Ref. Uncertainty: 0.000008 inch
Report Date: 9/15/2001

Evaluation Against Reference Value





Proficiency Testing, Inc.

Proficiency Test: **DEMO**
 Artifact: 5 in Steel
 Nominal Value: 5 inch
 Reference Value: 5.000008 inch
 Ref. Uncertainty: 0.000008 inch
 Report Date: 9/15/2001

Evaluation Against Weighted Average Value
--

Weighted Average Value: 5.0000079 inch
 Weighted Average Value Uncertainty: 0.0000025 inch

Participant	Value	Uncertainty	Error	En	S/U	I/W/O	Unc. Fact.
Reference	5.000008	0.000008	0.0000001	0.02	S	I	
1800	5.0000180	0.0000050	0.0000101	1.82	U	O	97%
8939	5.0000150	0.0000060	0.0000071	1.10	U	W	12%
9266	5.0000080	0.0000100	0.0000001	0.01	S	I	
9541	5.0000090	0.0000110	0.0000011	0.10	S	I	
11649	5.0000100	0.0000050	0.0000021	0.39	S	I	
13249	5.0000120	0.0000120	0.0000041	0.34	S	W	
18959	5.0000070	0.0000070	-0.0000009	-0.11	S	I	
20730	5.0000020	0.0000100	-0.0000059	-0.57	S	W	
22689	5.0000090	0.0000120	0.0000011	0.09	S	I	
24343	4.9999980	0.0000080	-0.0000099	-1.18	U	W	19%
24548	5.0000010	0.0000070	-0.0000069	-0.92	S	W	
24792	5.0000100	0.0000100	0.0000021	0.21	S	I	
25295	5.0000050	0.0000080	-0.0000029	-0.34	S	W	
30783	5.0000120	0.0000100	0.0000041	0.40	S	W	
31554	5.0000000	0.0000100	-0.0000079	-0.76	S	W	



Proficiency Testing, Inc.

Proficiency Test: DEMO
 Artifact: 5 in Steel
 Nominal Value: 5 inch
 Weighted Average Value: 5.0000079 inch
 Weighted Average Value Uncertainty: 0.0000025 inch
 Report Date: 9/15/2001

**Evaluation Against
Weighted Average Value**

