National Association for Proficiency Testing

A Non-Profit Organization Dedicated to Excellence in Metrology and Test Measurement

PRELIMINARY REPORT: NAPT-GAGE-104

This Preliminary Report documents the results for the ILC/PT listed below, covering all data presented to NAPT for evaluation by your organization. For tests with an established history, a Final Report will be issued after the 30 day review period expires. The Final Report will include a graphical representation of participants' values compared to the artifact mean and the values reported by the other participants.

Preliminary Results Reported To:	**Digital Measurement Metrology** Attention: William Xu 26 Automatic Road, Unit 4 Brampton, ON L6S 5N7
Date Of Preliminary Report:	March 05, 2005
Date Of Participation in ILC/PT:	March 02, 2005

ILC/PT NAME:	NAPT-GAGE-104 0-1 in Gage Block Set
Discipline:	Dimensional
Artifact Type:	Gage Block
Manufacturer:	Various
Model Number:	Various
Serial Number:	51110, 5113, 60136

Data analysis of your reported values indicates that your organization performed 10 out of 10 measurements satisfactorily. Please note that reference data is subject to change between issuance of Preliminary and Final Reports. If any data reported in this Preliminary Report is incorrect or if you would like to submit any revisions/corrections of your reported data, please contact us within 30 days.

All NAPT programs are conducted in accordance with ISO/IEC Guide 43-1 and ILAC G13:2000 requirements for proficiency testing providers. Please contact NAPT with any questions regarding this Preliminary Report.

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Digital Measurement Metrology

NAPT-GAGE-104

Test Date: March 02, 2005

Report Date: March 05, 2005

Preliminary analysis of the data your organization submitted to NAPT is shown below. Reported values are compared against the reference value only. In the Final Report, your reported values will also be analyzed against the values reported by other participants enrolled in this ILC/PT.

Measurement Description	Reported Value *Reference Value*	Reported Uncertainty *Reference Uncertainty*	En	S/U
Dimensional				
0.1002 in - 1) 0.100200 in	0.100199 Inch *0.100198*	0.000003 *0.000005*	0.07	S
0.107 in - 2) 0.107000 in	0.107000 Inch *0.107001*	0.000003 *0.000005*	0.18	S
0.117 in - 3) 0.117000 in	0.116977 Inch *0.116977*	0.000003 *0.000005*	0.06	S
0.138 in - 4) 0.138000 in	0.137999 Inch *0.138001*	0.000003 *0.000006*	0.26	S
0.142 in - 5) 0.142000 in	0.141996 Inch *0.141997*	0.000003 *0.000006*	0.19	S
0.35 in - 6) 0.350000 in	0.349992 Inch *0.349995*	0.000003 *0.000007*	0.49	S
0.5 in - 7) 0.500000 in	0.499995 Inch *0.499997*	0.000003 *0.000008*	0.19	S
0.65 in - 8) 0.650000 in	0.649997 Inch *0.649998*	0.000004 *0.000008*	0.17	S
0.9 in - 9) 0.900000 in	0.899991 Inch *0.899992*	0.000005 *0.000009*	0.12	S
1 in - 10) 1.000000 in	0.999988 Inch *0.999995*	0.000005 *0.000009*	0.73	S

NOTES:
1. Values may be rounded. Rounding does not affect data analysis and is for reporting purposes only
2. All uncertainties are at (or normalized to) K=2 (coverage factor associated with a 2-sigma, 95%, normal distribution)
3. En = (participant's reported value - reference value) / SQRT (participant's reported uncertainty^2 + reference uncertainty^2)
4. S/U: S (Satisfactory) = participant's computed En is within range of ±1; U (Unsatisfactory) = participant's computed En is outside range of ±1

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