

International Accreditation Service

CERTIFICATE OF ACCREDITATION

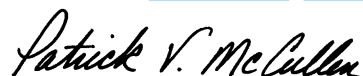
This is to signify that

CERTIWOOD TECHNICAL CENTRE

735 WEST 15TH STREET
NORTH VANCOUVER, BC V7M 1T2
CANADA

Calibration Laboratory CL-124

has demonstrated compliance with the ANS/ISO/IEC Standard 17025:2005, *General criteria for the competence of testing and calibration laboratories*, and has been accredited commencing June 1, 2009, for the calibration discipline(s) listed in the approved scope of accreditation. The laboratory meets IAS program requirements in the field of calibration.



Patrick V. McCullen
Vice President



C. P. Ramani, P.E.
President

(see attached scope of accreditation for fields of testing and accredited test methods)

Print Date: 07/10/2009

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This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation, revocation, or expiration of accreditation. See the IAS Accreditation Listings on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 699-0541.

International Accreditation Service

SCOPE OF ACCREDITATION

CertiWood Technical Centre CL-124

CertiWood Technical Centre
735 West 15th Street
North Vancouver, BC, V7M 1T2
Canada

Dale Black
Manager, Quality Management Systems
604-981-4185

MEASUREMENT AREA	RANGE & RESOLUTION	BEST MEASUREMENT CAPABILITY ¹ (BMC) (±)	TECHNIQUE, REFERENCE STANDARD, EQUIPMENT
<i>Mechanical</i> Calipers – Dial	0-150mm/0.1mm (0-300mm/0.1mm)	0.057mm 0.058mm	Gage Blocks
Calipers - Digital	0-200mm/0.01mm (0-300mm/0.01mm)	0.011mm 0.012mm	Gage Blocks
Micrometers – Dial	0-50mm/0.01mm	0.0062mm	Gage Blocks

June 1, 2009
Commencement Date

Print Date: 07/10/2009



C. P. Ramani, P.E.
President

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MEASUREMENT AREA	RANGE & RESOLUTION	BEST MEASUREMENT CAPABILITY ¹ (BMC) (±)	TECHNIQUE, REFERENCE STANDARD, EQUIPMENT
Micrometers - Digital	0-25mm/0.001mm 0-50mm/0.001mm	0.0025mm 0.0026mm	Gage Blocks
Dial Gages – Analog	0-50mm/0.01mm 0-25mm/0.001mm 0-50mm/0.001mm	0.0118mm 0.0035mm 0.0036mm	Gage Blocks
Dial Gages – Digital	0-25mm/0.01mm 0-50mm/0.01mm 0-25mm/0.001mm 0-50mm/0.001mm	0.0057mm 0.0058mm 0.0011mm 0.0012mm	Gage Blocks
Tape Measures	0-2743mm/0.25mm	0.310mm	Steel rule

June 1, 2009
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MEASUREMENT AREA	RANGE & RESOLUTION	BEST MEASUREMENT CAPABILITY ¹ (BMC) (±)	TECHNIQUE, REFERENCE STANDARD, EQUIPMENT
Force – Compression	0-50,000 lbf	0.25% of indicated value	Load cell and digital readout
Force - Tension	0-100,000 lbf	0.28% of indicated value	Load cell and digital readout
Scales	0-18kg	See NOTE	Class F weights
Vacuum gages	0-30 in Hg/0.1 in Hg	0.171 in Hg	Vacuum gauges
Pressure gages	0-100 psi/0.5 psi	0.645 psi	Pressure gauges

¹ "Best Measurement Capability" is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or of nearly ideal measuring instruments. Best Measurement Capabilities are expressed as uncertainties at approximately the 95% level of confidence, usually using a coverage factor of $k=2$. The measurement uncertainty of a specific calibration performed by the laboratory may be greater than the least uncertainty due to the behavior of the customer's device, to the environment (if the calibration is performed in the field), and to influences from the circumstances of the specific calibration.

June 1, 2009
Commencement Date

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C. P. Ramani

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President

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