

International Accreditation Service

CERTIFICATE OF ACCREDITATION

This is to signify that

NORTHWEST TECHNICAL SERVICES, INC.

430 SOUTH 96TH STREET, SUITE 10
SEATTLE, WASHINGTON 98108

Calibration Laboratory CL-131

has met the requirements of the IAS Accreditation Criteria for Calibration Laboratories (AC204), 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 December 7, 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: 12/29/2009

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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.

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SCOPE OF ACCREDITATION

Northwest Technical Services, Inc. CL-131

Northwest Technical Services, Inc.
430 South 96th Street, Suite 10
Seattle, WA 98108

Steven M. Jacks
President
206-388-2413

MEASUREMENT AREA	RANGE & RESOLUTION	BEST MEASUREMENT CAPABILITY ¹ (BMC) (±)	TECHNIQUE, REFERENCE STANDARD, EQUIPMENT
<i>Mechanical</i> Nuclear Density Gauge - Density	109.9 lb/ft ³ 139.7 lb/ft ³ 164.1 lb/ft ³	1.86 lb/ft ³ 0.91 lb/ft ³ 0.52 lb/ft ³	ASTM D 6938, Density blocks
Nuclear Density Gauge - Moisture	30.0 lb/ft ³	1.66 lb/ft ³	ASTM D 6938, Moisture block

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.

December 7, 2009
Commencement Date



C. P. Ramani, P.E.
President

Print Date: 12/29/2009

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