



World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

CANNON MUSKEGON CORP

Muskegon, MI

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Presented this 29th day of December 2010.





President & CEO

For the Accreditation Council
Certificate Number 3124.01
Valid to February 28, 2013

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CANNON MUSKEGON CORP
2875 Lincoln Street
Muskegon, Michigan
Wayne Brege Phone: 231 755 1681

CHEMICAL

Valid To: February 28, 2013

Certificate Number: 3124.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on Nickel, Cobalt, and Iron based Alloys:

<u>Test</u>	<u>Test Methods</u>
XRF (Mn, S, Cr, Ni, Fe, Mo, P, Cu, Co, V, Cb, Ta, W, Sn, Se, Al, Ti, Zr, Hf, Re, Ru)	ASTM E1085, E322, E572, E2465; TWI 17, TWI 79
LECO (C, S, N, O)	ASTM E1019; TWI 12, TWI 13
OES (Al, B)	ASTM A751, E415, E1086; TWI 14
AA-Flame (Mn, Cu, Fe, Mg, V, Na, K, Ca)	ASTM E1835; TWI 27
AA-Graphite (Ag, As, Au, Bi, Cd, Ga, Ge, Hg, In, Pb, Pd, Pt, Sb, Se, Si, Sn, Te, Ti, Zn)	ASTM E1834; TWI 27, TWI 71, TWI 72
ICP (Ca, Hf, Mo, Co)	TWI 25
ICPMS (B, P, Na, K, Ca, V, Mn, Fe, Cu, Ga, Ge, Y, Zr, Ag, In, Sn, Sb, Te, Ti, Pb, Bi, Au, Ce, La, Hf, Mg, Cd)	TWI 077

The laboratory is only accredited for the test methods listed above. The accredited test methods are used along with the listed practices below. The inclusion of these practices on this Scope does not confer laboratory accreditation to the practices nor does it confer accreditation for the method(s) embedded within the practices.

ASTM E1184
ASTM E1770
ASTM E1479