



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MATERION BRUSH INC.
14710 W. Portage River South Road
Elmore, OH 43416-9502
Melanie Pert Phone: 419 862 4474
Melanie_pert@brushwellman.com

CHEMICAL

Valid To: December 31, 2012

Certificate Number: 0339.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on beryllium metal, beryllium oxide, beryllium hydroxide, beryllium basic carbonate, beryllium copper alloys, beryllium aluminum alloys, beryllium nickel alloys, beryllium containing ores, and miscellaneous beryllium containing solutions and materials:

<u>Technology</u>	<u>ASTM Test</u>	<u>BW-ELM-AC Test¹</u>
<u>Photoneutron Analysis</u>		
“Beryrometer” – Antimony 127 Gamma Radiation Source		176
<u>Physical Property Determinations</u>		
Density	B311	286, 368, 515
Particle Size Distribution	E11	195, 370, 861
Specific Surface Area		335
<u>Spectrochemical Analyses</u>		
DC Arc Optical Emission Spectrography		316, 318, 665
Direct Current Plasma – Optical Emission Spectrometry	E1097	172, 246, 326, 469, 470, 471, 472
Direct Reading Vacuum Optical Emission Spectrometry		516, 517
Flame Atomic Absorption Spectrophotometry		241, 536, 944
Inductively Coupled Plasma Optical Emission Spectrometry		975
<u>Miscellaneous Determinations</u>		
Gravimetric Analyses including LOD and LOI		164, 331
Infrared Analysis for Carbon by Combustion		173, 429, 430
Infrared Analysis for Oxygen by Inert Gas Fusion		171, 505, 506
Infrared Analysis for Sulfur by Combustion		229, 243, 429
Specific Ion Analysis of Fluorine		208
Thermal Conductivity Analysis for Nitrogen by Inert Gas Fusion		505, 506
UV / VIS Photometric Titrations		638
Volumetric Titrations		174, 184

¹Internal test methods

(A2LA Cert. No. 0339.01) 5/2/11

Page 1 of 1



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

MATERION BRUSH INC.

Elmore, OH

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 2nd of May 2011.

A handwritten signature in black ink, appearing to read "Peter Abney".

President & CEO

For the Accreditation Council

Certificate Number 0339.01

Valid to December 31, 2012



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