



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MATERION BRUSH INC.
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CHEMICAL

Valid To: December 31, 2026

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, copper alloys, beryllium aluminum alloys, beryllium nickel alloys, beryllium containing ores, and miscellaneous beryllium containing solutions and materials:

Test Technology:

Test Method(s)¹:

Physical Property Determinations

Density
Particle Size Distribution
Specific Surface Area

ASTM B311; DOC-7952
DOC-7983
DOC-7960

Spectrochemical Analyses

Direct Reading Vacuum Optical Emission Spectrometry
(Ag, Al, Be, Co, Cr, Cu, Fe, Mg, Mn, Ni, Pb, Si, Ti, Zn, Zr)

DOC-8002, 219657

Flame Atomic Absorption Spectrophotometry
(Ag, Al, Be, Ca, Co, Cr, Cu, Fe, Mg, Mn, Mo, Na, Ni, Pb, Si, Ti, Zn, Zr)

DOC-7949, 7975, 7984

Inductively Coupled Plasma Optical Emission Spectrometry
(Be- Low Vol), (Be, AlBeMet, BeO), (Be Alloy)

DOC-7985, 207426, 202074

Miscellaneous Determinations

Infrared Analysis for Carbon by Combustion
Infrared Analysis for Oxygen by Inert Gas Fusion
Infrared Analysis for Sulfur by Combustion
Thermal Conductivity Analysis for Nitrogen by Inert Gas Fusion
UV / VIS Photometric Titrations
Volumetric Titrations

DOC-7928, 7962
DOC-7926, 7969, 7970
DOC-7946, 7950, 7962
DOC-7969, 7970
DOC-7978
DOC-7929, 7933

¹ The methods designated as DOC-xxxx are internal test methods.



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 17025:2017 *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 April 2017*).



Presented this 11th day of March 2025.

A blue ink signature of Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Service
For the Accreditation Council
Certificate Number 0339.01
Valid to December 31, 2026

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