



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ELEMENT MATERIALS TECHNOLOGY DETROIT – WIXOM
51229 Century Court
Wixom, MI 48393-2074
Nicholas Piwowar Phone: 248 960 4900

CHEMICAL

Valid To: October 31, 2019

Certificate Number: 0388.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on metals, ores, slags, and other metal-related substances, consumer products, computer components, and metal fasteners:

<u>Test Technology</u>	<u>Test Method(s)</u>
Available Silicon	SOP CH-001
Cleanliness	ISO 4405, 4406 ,4407; ISO 16232-2, 3, 4, 6,7, 8, 9,10; VDA Verband 19; EN 201503
Combustion (Leco C, S, N, O)	ASTM E1019, E1409, E1941
Inductively Coupled Plasma Spectroscopy (ICP) (Ag, Al, As, B, Be, Co, Cr, Cu, Fe, Mg, Mn, Mo, Nb, Ni, P, Pb, Sb, Si, Sn, Sr, Ta, Ti, V, W, Zn, Zr)	ASTM E1479, E1097; SOP CH-IO-006
Optical Emission Spectroscopy - Glow Discharge Spectroscopy (GDS-OES) (Al, As, B, Be, Bi, C, Ca, Cd, Ce, Cr, Co, Cu, Fe, Ga, La, Mg, Mn, Mo, N, Na, Nb, Ni, O, P, Pb, S, Sb, Se, Si, Sn, Sr, Ta, Ti, V, W, Y, Zn, Zr)	ASTM E415, E1086, E1251, E1999; SOP CH-IO-002
Wet Chemistry Electrolytic (Cu)	ASTM E53, E75 (Sections 12 to 15) (withdrawn 2010) ¹ , E76 (Sections 9 to 13) (withdrawn 2003) ¹

SOP – Element Wixom Standard Operating Procedures available upon request

¹NOTE: This laboratory’s scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered “historical” and not that the laboratory’s accreditation for the method has been withdrawn.



Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY DETROIT – WIXOM

Wixom, 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 April 2017).



Presented this 26th day of June 2017.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0388.02
Valid to October 31, 2019
Revised October 1, 2019

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