

#### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

## CHEMTRACE

12130 NE Ainsworth Circle, Suite 210 Portland, OR 97220 Patrick Taylor Phone: 503-258-4067 patrick.taylor@uct.com

### CHEMICAL

Valid To: February 28, 2025 Certificate Number: 2252.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following specialized analytical test services for chemicals, aqueous solutions, ultrapure water, components, chamber parts and wafers including:

Test(s)	Test Method(s)
Analysis of Trace Metals by ICP-MS	SOP CAT-C039
In Acid and Base Solutions	SOP CAT-C033
o Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Ge, K, Li,	501 6111 6003
Mg, Mn, Mo, Na, Nb, Ni, Pb, Sb, Sn, Sr, Ta, Ti, Tl, V, Zn, Zr	
• In Organic Solvents	SOP CAT-C007
o Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Ge, K, Li,	
Mg, Mn, Mo, Na, Nb, Ni, Pb, Sb, Sn, Sr, Ta, Ti, Tl, V, Zn, Zr	
In Organics by Microwave Digestion	SOP CAT-C015
o Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Ge, K, Li,	
Mg, Mn, Mo, Na, Nb, Ni, Pb, Sb, Sn, Sr, Ta, Ti, Tl, V, Zn, Zr	
In Silicon Samples	SOP CAT-C052
o Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Ge, K, Li,	
Mg, Mn, Mo, Na, Nb, Ni, Pb, Sb, Sn, Sr, Ta, Ti, Tl, V, W, Zn, Zr	
In Hexachlorodisilane	SOP CAT-C055
o Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cu, Dy, Er, Eu, Fe,	
Ga, Gd, Ge, Hf, Hg, Ho, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd,	
Ni, Os, Pb, Pd, Pr, Pt, Re, Rh, Ru, Sb, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl,	
Tm, U, V, W, Y, Yb, Zn, Zr	COD CAT WOOD
• In Ultrapure Water	SOP CAT-W002
o Al, As, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga,	
Gd, Ge, Hf, Ho, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, Pb, Pd,	
Pr, Pt, Rb, Re, Rh, Ru, Sb, Sc, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U,	
V, W, Y, Yb, Zn, Zr	
Analysis of Surface Trace Metals by ICP-MS (Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu,	SOP CAT-S007
Fe, Ga, Ge, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Sn, Sr, Ti, V, W, Zn, Zr)	501 CA1-500/
• On Silicon Wafers by VPD	SOP CAT-S001
On Tool Components by Acid Extraction	SOP CAT-S005
an root components of rivia Environ	
Analysis of Total Silica in Ultrapure Water by GFAAS	SOP CAT-W011
,	SOP CAT-C004

(A2LA Cert. No. 2252.02) 07/06/2023

Page 1 of 2

Test(s)	Test Method(s)
Analysis of Dissolved Silica in Ultrapure Water by Spectrophotometer	SOP CAT-W017
Analysis of Anions and Cations by Ion Chromatography  In Ultrapure Water  For Raw Water and UPW Extract Water Only	SOP CAT-W003A SOP CAT-W010
Assay by Auto Titration	SOP CAT-C023 SOP CAT-C024
Analysis of pH in Aqueous Solutions	SOP CAT-C045
Quantitation of Viable Bacteria in Ultrapure Water	SOP CAT-W005
Analysis of Total Organic Carbon (TOC) in UPW, Acid, Hydrogen Peroxide, or Base Solutions	SOP CAT-C016 SOP CAT-W016
Analysis of Conductivity in Aqueous Solutions	SOP CAT-W028
Analysis of Particles in Liquid Samples by  Liquid Particle Counter (LPC)  Particle Measuring Systems	SOP CAT-C054 SOP CAT-C029

<sup>&</sup>lt;sup>1</sup>This laboratory may perform field testing activities for this test.



# **Accredited Laboratory**

A2LA has accredited

## **CHEMTRACE**

Portland, OR

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).

SEAL 1978 VIOLENT AZLA

Presented this 6th day of July 2023.

Mr. Trace McInturff, Vice President, Accreditation Services For the Accreditation Council

Certificate Number 2252.02 Valid to February 28, 2025