

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CHEMTRACE - FREMONT ANALYTICAL TESTING AND SOLUTIONS

Quantum Global Technologies, LLC 44050 Fremont Boulevard Fremont, CA 94538 Karen Olson Phone: 510 687 8000 karen.olsen@chemTrace.com

CHEMICAL

Valid To: February 28, 2019 Certificate Number: 2252.01

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 Description	Test Method(s)
Analysis of Trace Metals by ICP-MS	SOP CAT-C039
 In Acid and Base Solutions 	SOP CAT-C003
 In Organic Solvents 	SOP CAT-C007
In Ultrapure Water	SOP CAT-W002
Analysis of Surface Trace Metals by ICP-MS	SOP CAT-S007
 On Silicon Wafers by VPD 	SOP CAT-S001
 On Tool Components by Acid Extraction 	SOP CAT-S005
Analysis of Trace Metals in Aqueous Solutions Used in Medical Life Sciences by ICP-MS and/or ICP-AES	SOP CAT-C049
Analysis of Total Silica in Ultrapure Water by ICP-OES	SOP CAT-W011
Analysis of Anions and Cations by Ion Chromatography	SOP CAT-W010
Aqueous SolutionsUltrapure Water	SOP CAT-W003A
Analysis of Dissolved Silica in Ultrapure Water	SOP CAT-W017
Analysis of Total Organic Carbon (TOC) in UPW or Acid and	SOP CAT-C016
Base Solutions	SOP CAT-W016
Analysis of pH in Aqueous Solutions	SOP CAT-C045 (ASTM E70)
	SOP CAT W027
Assay of Chemical Solutions by Auto-titration Method	SOP CAT-C023
Analysis of Conductivity in Aqueous Solutions	SOP CAT-W028

(A2LA Cert. No. 2252.01) 02/16/2017

Info

Test Description	Test Method(s)
Analysis by Scanning Electron Microscopy/Electron Dispersion X-Ray Spectroscopy (SEM/EDX)	SOP CAT-W021
Analysis of Liquid Samples by Particle Measuring Systems	SOP CAT-C029
Analysis of Liquid Samples by Liquid Particle Counter (LPC) • Liquid Samples	SOP CAT-C054
Quantitation of Viable Bacteria in Ultra-Pure Water	SOP CAT-W005





Accredited Laboratory

A2LA has accredited

CHEMTRACE

Fremont, CA

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).

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Presented this 16th day of February 2017.

President and CEO

For the Accreditation Council Certificate Number 2252.01 Valid to February 28, 2019