



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PRECILAB  
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CHEMICAL

Valid To: October 31, 2020

Certificate Number: 2234.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on ultra-pure water and chemicals used in the semiconductor industry:

<u>Test</u>	<u>Test Method(s)</u>
<u>Anions and Cations by Ion Chromatography</u>	
Anions (ppt) in Ultra-Pure Water by Ion Chromatography	PR-IN11
Anions in H <sub>2</sub> O <sub>2</sub> by Ion Chromatography	PR-IN16
Anions in HF by Ion Chromatography	PR-IN09
Cations (ppt) in Ultra-Pure Water by Ion Chromatography	PR-IN12
Cations in DI Water and Solvents by Ion Chromatography	PR-IN21
Caustic Anion Analysis Procedure by Ion Chromatography	PR-IN15
Dionex Ion Chromatography Operation Procedure	PR-IN06
Preparation of Samples for Ion Chromatography Analysis	PR-IN46
<u>Chemical and Solvent Titrations</u>	
Acid, Base, and H <sub>2</sub> O <sub>2</sub> Titrations via Auto-Titrator	PR-IN04
Moisture Analysis of Solvents by Karl Fischer	PR-IN18
<u>Miscellaneous Analysis</u>	
Dissolved Silica in Water by UV-Vis	PR-IN33
UV-Vis Spectrometer Analysis	PR-IN24

<u>Test</u>	<u>Test Method(s)</u>
<u>Trace Element Analysis of Chemicals, Wafers, and Ultra-Pure Water</u>	
LP-ICPMS Analysis of Silicon Wafers	PR-IN27
Preparation of Samples for Trace ICP-MS Element Analysis	PR-IN14, PR-IN47
Trace Element Analysis by ICP-OES	PR-IN02
Trace Elements in Semiconductor Chemicals, Solvents, and Ultra-Pure Water by ICP-MS	PR-IN01, PR-IN45, PR-IN48





## Accredited Laboratory

A2LA has accredited

**PRECILAB**

*Carrollton, TX*

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 29<sup>th</sup> day of October 2018.

A handwritten signature in black ink, appearing to read "L. S. ...", positioned above a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 2234.01  
Valid to October 31, 2020

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