



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

BALAZS NANOANALYSIS
Air Liquide Electronics US LP
13546 North Central Expressway
Dallas, TX 75243
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CHEMICAL

Valid To: June 30, 2022

Certificate Number: 2151.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on air, chemicals, ultrapure water, and wafers:

<u>Test</u>	<u>Test Method(s)</u>
<u>Bacterial Examination of Water</u>	
Cultured Bacteria	CSL-22119-SOP
<u>Determination of pH</u>	
pH Measurement	CSL-22113-SOP
<u>Determination of Trace Anions & Cations</u>	
Determination of Trace Anions & Cations in Chemicals	CSL-22136-SOP, CSL-22137-SOP, CSL-22138-SOP
Determination of Trace Anions in UPW	CSL-22136-SOP, CSL-22137-SOP, CSL-22138-SOP
IC Extractable Compounds	CSL-22144-SOP
Molecular Acids and Bases in Air	CSL-22272-SOP
<u>Determination of Trace Elements in Chemicals</u>	
Determination of Trace Elements in Chemicals by ICP-MS	CSL-22103-SOP, CSL-22105-SOP
Determination of Trace Elements in Chemicals by ICP-OES	CSL-22104-SOP, CSL-22149-SOP
<u>Determination of Trace Elements in Ultra-Pure Water (UPW)</u>	
Measurement of Trace Elements in UPW by ICP-MS	CSL-22103-SOP, CSL-22105-SOP
<u>Determination of Trace Elements on Wafers by VPD ICP-MS</u>	
Determination of Trace Elements on Silicon Wafer Surface	CSL-22215-SOP
<u>Particle Analyses</u>	
Determination of Particle Counts in Slurries	CSL-22162-SOP
Particle Counting in Liquid Chemicals	CSL-22163-SOP, CSL-22164-SOP

Test	Test Method(s)
<u>Percent Solids/Moisture Determination</u>	
Moisture Analysis in Solvents	CSL-22111-SOP
Percent Solids	CSL-22159-SOP
Residue After Evaporation	CSL-22117-SOP
<u>Solvent Assays by Gas Chromatography</u>	
Assay for Solvents or Mixtures	CSL-22106-SOP
<u>Wet Chemistry</u>	
Assays by Automated Titration	CSL-22107-SOP
Determination of Specific Gravity and Density	CSL-22148-SOP
Determination of Surface Tension	CSL-22097-SOP
Determination of Total Oxidizable Carbon (TOC) in Chemicals	CSL-22146-SOP
Determination of Total Oxidizable Carbon (TOC) in UPW	CSL-22146-SOP
Determination of Viscosity	CSL-22157-SOP





Accredited Laboratory

A2LA has accredited

BALAZS NANOANALYSIS

Dallas, 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 28th day of April 2020.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2151.01
Valid to June 30, 2022

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