



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

BALAZS NANOANALYSIS  
Air Liquide Electronics US LP  
13546 North Central Expressway  
Dallas, TX 75243  
Michael Sloane Phone: 972-301-4541

CHEMICAL

Valid To: June 30, 2020

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 &amp; Cations</u>	
Molecular Acids and Bases in Air	CSL-22272-SOP
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
<u>Determination of Trace Elements in Chemicals</u>	
Determination of Trace Elements in Chemicals by ICP-OES	CSL-22104-SOP, CSL-22149-SOP
Determination of Trace Elements in Chemicals by ICP-MS	CSL-22103-SOP, CSL-22105-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

<b>Test</b>	<b>Test Method(s)</b>
<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 Surface Tension	CSL-22097-SOP
Determination of Specific Gravity and Density	CSL-22148-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 17025:2005 *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 5<sup>th</sup> day of July 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 2151.01  
Valid to June 30, 2020

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