



# ADVANCED CHEMICAL SOLUTIONS LLC

910 West Sunset Blvd. Nldg.7, St George, Utah USA  
Tele: 480-237-8695 Toll Free: 800-587-0264 Fax: 866-211-9261  
Email: sales@adv-chem.com website: www.adv-chem.com

## Certificate of Conformance

### Certificate No.: LE-CA220921

Product: LATTICE ETCH

Grade: Electronic Grade, SEMI Grade 1

Mfg. Date: 9/24/2022

Lot ID: CA220921

<u>Parameter</u>	<u>Nominal</u>	<u>Limits</u>	<u>Measured</u>	<u>Method</u>
HF Concentration:	38.3 % wt.	+/- 0.82	38.352 % wt.	GT
	21.5 mol/L	+/- 0.5	21.546 mol/L @23 C	
Sulfur Dioxide	NA	<15 ppmv		
Fluorosilicic Acid	NA	<15 ppmv		
Sulfuric Acid	NA	<25 ppmv		
Water	NA	<0.03%		
Density (g/mL) at 23 C	1.124	+/- 0.0023	1.1239	GVC

Product Filtered: YES

Filter Size: 1.0 um

---

Non-Conforming Parameter(s): NONE

Waiver: NA

Notes/Comments:

**Reference Standards: ASTM D5127, ASTM E203, SEMI C1-0705, SEMI C28-0306**

---

Advanced Chemical Solutions hereby certifies that the product identified conforms in all respects to published and listed specifications and that **all** exceptions, waivers, deviations, and/or nonconforming conditions are identified. Furthermore, information provided is accurate, complete, and true pursuant to Advanced Chemical Solutions Quality Standards.

Certified By:

David Neumeier Date: 9/26/2022

Nadia Neumeier Date: 9/26/2022

David Neumeier- Analyst

Nadia Neumeier – QA Approval