

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-06-17 18:21:35
 Date of Next Testing: 2029-06-16 18:21:35
 Product Name: **Aluminum Etchant**
 CAS Number:
 Specifications & Purity: electronic grade
 Lot #: F2615225
 SKU #: **A1511715**
 Version: **1**
 Analysis #: **729064**
 Storage Temperature: Room temperature, Cool

Parameter	Limit Values	Result
Acidity(as H ⁺)	15.8-16.2 (mmol/g)	16.02000 mmol/g
Density (20°C)	1.56-1.58 (g/ml)	1.57100 g/ml
Chloride (Cl ⁻)	0-500 (ppb)	100.00000 ppb
Sulfate(SO ₄)	0-20000 (ppb)	350.00000 ppb
Particle(≥0.5μm,count/1ml)	0-100	3.10000
Particle(≥1.0μm,count/1ml)	0-10	1.60000
Sodium(Na)	0-5000 (ppb)	46.84800 ppb
Magnesium(Mg)	0-1000 (ppb)	6.53200 ppb
Aluminium(Al)	0-500 (ppb)	6.43000 ppb
Potassium(K)	0-1000 (ppb)	7.18900 ppb
Calcium(Ca)	0-5000 (ppb)	49.00800 ppb
Manganese(Mn)	0-500 (ppb)	3.69600 ppb
Iron(Fe)	0-2000 (ppb)	174.11200 ppb
Nickel(Ni)	0-500 (ppb)	24.64900 ppb
Copper(Cu)	0-1000 (ppb)	3.03000 ppb
Arsenic(As)	0-200 (ppb)	5.33300 ppb
Lead(Pb)	0-500 (ppb)	6.29200 ppb



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager