

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-03 17:06:46  
Date of Next Testing: 2026-06-23 17:06:46  
Product Name: **laevulinic acid**  
CAS Number: 123-76-2  
Specifications & Purity: Analytical Reagent,99.0%  
Lot #: F2426236  
SKU #: **L104281**  
Version: **0**  
Analysis #: **325104**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Chloride (Cl-)	0-0.005 (%)	0.00 %
Heavy metal (as Pb)	0-20 (ppm)	1.06 ppm
Refractive index n <sub>20</sub> /D	1.436-1.442	1.44
Iron(Fe)	0-10 (ppm)	1.15 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.01 (%)	0.00 %
Ignition Residue	0-0.05 (%)	0.01 %
Purity (Titration by NaOH)	98.5-101.5 (%)	99.96 %
Purity(GC)	99-100 (%)	99.64 %
Appearance (L104281)	Colorless to Yellow to Brown Liquid or Solid	Colorless to Yellow to Brown Liquid or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager