

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-21 14:27:11  
Date of Next Testing: 2026-08-11 14:27:11  
Product Name: **laevulinic acid**  
CAS Number: 123-76-2  
Specifications & Purity: Analytical Reagent,99.0%  
Lot #: K2209693  
SKU #: **L104281**  
Version: **1**  
Analysis #: **402203**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.61 %
Chloride (Cl-)	0-0.005 (%)	0.00 %
Heavy metal (as Pb)	0-20 (ppm)	11.28 ppm
Refractive index n <sub>20</sub> /D	1.436-1.442	1.44
Iron(Fe)	0-10 (ppm)	5.18 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.01 (%)	0.01 %
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