

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-17 17:24:31
Date of Next Testing: 2024-11-06 17:24:31
Product Name: **laevulinic acid**
CAS Number: 123-76-2
Specifications & Purity: Analytical Reagent,99.0%
Lot #: K2209680
SKU #: **L104281**
Analysis: 134704
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Chloride (Cl-)	0-0.005 (%)	0.00 %
Heavy metal (as Pb)	0-20 (ppm)	11.30 ppm
Refractive index n ₂₀ /D	1.436-1.442	1.44
Iron(Fe)	0-10 (ppm)	5.20 ppm
Sulfate(SO ₄ ²⁻)	0-0.01 (%)	0.01 %
Ignition Residue	0-0.05 (%)	0.02 %
Purity (Titration by NaOH)	98.5-101.5 (%)	99.70 %
Purity(GC)	99-100 (%)	99.62 %
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