

Certificate of Analysis

Date of Testing: 2022-02-07 15:18:03

Date of Next Testing: 2024-01-28 15:18:03

Product Name: **laevulinic acid**

CAS Number: 123-76-2

Specifications & Purity: 95%

Lot #: A2218023

SKU #: **L298748**

Analysis: **071206**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity (Titration by NaOH)	94.5-105.5 (%)	95.50 %
Sulfate(SO42-)	0-0.01 (%)	0.00 %
Purity(GC)	95-100 (%)	96.21 %
Refractive index n20/D	1.436-1.442	1.44
Heavy metal (as Pb)	0-20 (ppm)	11.30 ppm
Iron(Fe)	0-10 (ppm)	3.20 ppm
Ignition Residue	0-0.05 (%)	0.00 %
Chloride (Cl-)	0-0.005 (%)	0.00 %
Appearance (L298748)	Colorless to Yellow to Brown Liquid or Solid	Colorless to Yellow to Brown Liquid or Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager