

Certificate of Analysis

Date of Testing: 2023-09-21 16:37:05
Date of Next Testing: 2025-09-10 16:37:05
Product Name: **laevulinic acid**
CAS Number: 123-76-2
Specifications & Purity: Analytical Reagent,99.0%
Lot #: I2318015
SKU #: **L104281**
Analysis: 268749
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 ₂₀ /D | 1.436-1.442 | 1.44 |
| Iron(Fe) | 0-10 (ppm) | 1.17 ppm |
| Sulfate(SO ₄ ²⁻) | 0-0.01 (%) | 0.00 % |
| Ignition Residue | 0-0.05 (%) | 0.02 % |
| Purity (Titration by NaOH) | 98.5-101.5 (%) | 99.98 % |
| Purity(GC) | 99-100 (%) | 99.68 % |
| 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