

## Certificate of Analysis

Date of Testing: 2023-05-17 08:43:47  
Date of Next Testing: 2027-05-16 08:43:47  
Product Name: **laevulinic acid**  
CAS Number: 123-76-2  
Specifications & Purity: 98%  
Lot #: D23231330  
SKU #: **L278641**  
**Analysis: 162542**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.436-1.442	1.44
Purity(GC)	98-100(%)	98.01%
Appearance(L278641Color)	Colorless to Yellow to Brown	white to beige powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (L278641Form)	Solid or Liquid	White or Colorless to Light yellow



John Su  
QA & QC Manager