

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-07-24 16:45:00  
 Date of Next Testing: 2028-07-13 16:45:00  
 Product Name: **laevulinic acid**  
 CAS Number: 123-76-2  
 Specifications & Purity: AR, Moligand™, ≥99%  
 Lot #: G2603489  
 SKU #: **L104281**  
 Version: **1**  
 Analysis #: **691277**  
 Storage Temperature: Protected from light, Room temperature, Desiccated, Cool

| Parameter                           | Limit Values                                 | Result                                       |
|-------------------------------------|----------------------------------------------|----------------------------------------------|
| Purity(GC)                          | 99-100 (%)                                   | 100.00000 %                                  |
| Chloride (Cl-)                      | 0-0.005 (%)                                  | 0.00000 %                                    |
| Heavy metal (as Pb)                 | 0-20 (ppm)                                   | 0.00000 ppm                                  |
| Refractive index n <sub>20</sub> /D | 1.436-1.442                                  | 1.44038                                      |
| Iron(Fe)                            | 0-10 (ppm)                                   | 0.00000 ppm                                  |
| Sulfate(SO <sub>4</sub> 2-)         | 0-0.01 (%)                                   | 0.00390 %                                    |
| 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