

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-23 17:54:38  
 Date of Next Testing: 2029-09-22 17:54:38  
 Product Name: **1,4-Dioxane**  
 CAS Number: 123-91-1  
 Specifications & Purity: ACS, ≥99%  
 Lot #: I2512569  
 SKU #: **D116158**  
 Version: **0**  
 Analysis #: **582095**  
 Storage Temperature: Room temperature, Desiccated, Cool

| Parameter                                   | Limit Values          | Result                |
|---------------------------------------------|-----------------------|-----------------------|
| Titration Acid                              | 0-0.0016 (mg/g)       | 0.00001 mg/g          |
| Evaporation Residue                         | 0-0.005 (%)           | 0.00147 %             |
| Water by Karl Fischer                       | 0-0.05 (%)            | 0.02150 %             |
| Refractive index n <sub>20</sub> /D         | 1.42-1.424            | 1.42280               |
| Purity(GC)                                  | 99-100 (%)            | 99.83300 %            |
| Crystallization point                       | 10-13 (°C)            | 11.50000 °C           |
| Peroxide(as H <sub>2</sub> O <sub>2</sub> ) | 0-0.005 (%)           | 0.00000 %             |
| Carbonyl(as Formaldehyde)                   | 0-0.01 (%)            | 0.00000 %             |
| Appearance (D116158)                        | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                           | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager