

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-27 09:11:28

Date of Next Testing: 2028-03-16 09:11:28

Product Name: **1,4-Dioxane**

CAS Number: 123-91-1

Specifications & Purity: AR, ≥99%, contains 20-30ppm BHT as stabilizer

Lot #: C2612796

SKU #: **D116157**

Version: **1**

Analysis #: **665342**

Storage Temperature: Room temperature

| Parameter                                   | Limit Values          | Result                |
|---------------------------------------------|-----------------------|-----------------------|
| Density (20°C)                              | 1.033-1.037           | 1.03470               |
| Water by Karl Fischer                       | 0-0.1 (%)             | 0.01460 %             |
| Iron(Fe)                                    | 0-0.0001 (%)          | 0.00000 %             |
| Refractive index n <sub>20</sub> /D         | 1.42-1.424            | 1.42250               |
| Titration Acid                              | 0-0.2 (mg/g)          | 0.00000 mg/g          |
| Peroxide(as H <sub>2</sub> O <sub>2</sub> ) | 0-0.005 (%)           | 0.00000 %             |
| Purity(GC)                                  | 99-100 (%)            | 99.57700 %            |
| Crystallization point                       | 10-12 (°C)            | 11.50000 °C           |
| Evaporation Residue                         | 0-0.005 (%)           | 0.00000 %             |
| Color Test                                  | 0-20                  | 4.50000               |
| Appearance (D116157)                        | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                           | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager