

## Certificate of Analysis

Date of Testing: 2025-06-12 18:51:35

Date of Next Testing: 2027-06-02 18:51:35

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

CAS Number: 123-91-1

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

Lot #: E2528264

SKU #: **D116157**

Version: **1**

Analysis #: **514975**

| Parameter                                   | Limit Values          | Result                |
|---------------------------------------------|-----------------------|-----------------------|
| Density (20°C)                              | 1.033-1.037           | 1.03                  |
| Water by Karl Fischer                       | 0-0.1 (%)             | 0.02 %                |
| Iron(Fe)                                    | 0-0.0001 (%)          | 0.00 %                |
| Refractive index n <sub>20/D</sub>          | 1.42-1.424            | 1.42                  |
| Titration Acid                              | 0-0.2 (mg/g)          | 0.00 mg/g             |
| Peroxide(as H <sub>2</sub> O <sub>2</sub> ) | 0-0.005 (%)           | 0.00 %                |
| Purity(GC)                                  | 99-100 (%)            | 99.80 %               |
| Crystallization point                       | 10-12 (°C)            | 11.50 °C              |
| Evaporation Residue                         | 0-0.005 (%)           | 0.00 %                |
| Color Test                                  | 0-20                  | 0.00                  |
| Appearance (D116157)                        | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                           | Conforms to Structure | Conforms to Structure |



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