

## Certificate of Analysis

Date of Testing: 2025-06-04 09:30:43

Date of Next Testing: 2029-06-03 09:30:43

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

CAS Number: 123-91-1

Specifications & Purity: ACS,  $\geq 99\%$

Lot #: E2528318

SKU #: **D116158**

Version: **0**

Analysis #: **519424**

Storage Temperature: Desiccated

| Parameter                                   | Limit Values          | Result                |
|---------------------------------------------|-----------------------|-----------------------|
| Titration Acid                              | 0-0.0016 (mg/g)       | 0.00 mg/g             |
| Evaporation Residue                         | 0-0.005 (%)           | 0.00 %                |
| Water by Karl Fischer                       | 0-0.05 (%)            | 0.02 %                |
| Refractive index n <sub>20</sub> /D         | 1.42-1.424            | 1.42                  |
| Purity(GC)                                  | 99-100 (%)            | 99.80 %               |
| Crystallization point                       | 10-13 (°C)            | 11.50 °C              |
| Peroxide(as H <sub>2</sub> O <sub>2</sub> ) | 0-0.005 (%)           | 0.00 %                |
| Carbonyl(as Formaldehyde)                   | 0-0.01 (%)            | 0.00 %                |
| Appearance (D116158)                        | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum                           | Conforms to Structure | Conforms to Structure |



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