

Certificate of Analysis

Date of Testing: 2023-10-11 13:57:27
Date of Next Testing: 2025-09-30 13:57:27
Product Name: **1,4-Dioxane**
CAS Number: 123-91-1
Specifications & Purity: Analytical Reagent, 99%, contains 20-30ppm BHT as stabilizer
Lot #: J2307170
SKU #: **D116157**
Analysis: **276340**

| 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 ₂₀ /D | 1.42-1.424 | 1.42 |
| Titration Acid | 0-0.2 (mg/g) | 0.00 mg/g |
| Peroxide(as H ₂ O ₂) | 0-0.005 (%) | 0.00 % |
| Purity(GC) | 99-100 (%) | 99.91 % |
| Crystallization point | 10-12 (°C) | 11.53 °C |
| Evaporation Residue | 0-0.005 (%) | 0.00 % |
| Color Test | 0-20 | 5.00 |
| Appearance (D116157) | Colorless Liquid | Colorless liquid |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager