

## Certificate of Analysis

Date of Testing: 2023-11-16 17:02:00  
Date of Next Testing: 2027-11-15 17:02:00  
Product Name: **1,4-Dioxane**  
CAS Number: 123-91-1  
Specifications & Purity: ACS, ≥99.0%  
Lot #: K2315079  
SKU #: **D116158**  
**Analysis:** **245711**  
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 (%)	99.56 %
Crystallization point	10-13 (°C)	12.00 °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



John Su  
QA & QC Manager