

Certificate of Analysis

Date of Testing: 2025-06-12 17:57:56

Date of Next Testing: 2028-06-11 17:57:56

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

CAS Number: 123-91-1

Specifications & Purity: Suitable for Analysis, ACS, Premium pure

Lot #: F2509377

SKU #: **D431641**

Version: **1**

Analysis #: **516413**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.82 %
Acidity	0-0.0008 (eq/kg)	0.00000 eq/kg
Acetaldehyde	0-0.005 (%)	0.00 %
Peroxide (as H ₂ O ₂)	0-0.005 (%)	0.00130 %
Carbonyl compounds(CO)	0-0.01 (%)	0.00 %
Water by Karl Fischer	0-0.05 (%)	0.01 %
Residue on Evaporation	0-0.001 (%)	0.00 %
Color Test	0-10 (APHA)	0.00 APHA
Aluminium(Al)	0-0.5 (ppm)	0.00000 ppm
Boron(B)	0-0.02 (ppm)	0.00 ppm
Barium(Ba)	0-0.1 (ppm)	0.00 ppm
Calcium(Ca)	0-0.5 (ppm)	0.00 ppm
Cadmium(Cd)	0-0.05 (ppm)	0.00 ppm
Cobalt(Co)	0-0.02 (ppm)	0.00 ppm
Chromium(Cr)	0-0.02 (ppm)	0.00000 ppm
Copper(Cu)	0-0.02 (ppm)	0.00 ppm
Iron(Fe)	0-0.1 (ppm)	0.00 ppm
Magnesium(Mg)	0-0.1 (ppm)	0.00 ppm
Manganese(Mn)	0-0.02 (ppm)	0.00 ppm
Nickel(Ni)	0-0.02 (ppm)	0.00 ppm
Lead(Pb)	0-0.1 (ppm)	0.00 ppm
Tin(Sn)	0-0.1 (ppm)	0.00 ppm
Zinc(Zn)	0-0.1 (ppm)	0.00 ppm
formaldehyde	0-0.05 (%)	0.00 %
Appearance(D431641)	Colorless Liquid	Colorless liquid



ALADDIN SCIENTIFIC CORPORATION

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Parameter	Limit Values	Result
Infrared spectrum	Conforms to structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager