

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-07-12 10:29:04
Date of Next Testing:	2027-07-12 10:29:04
Product Name:	1,4-Dioxane
CAS Number:	123-91-1
Specifications & Purity:	Premium-Grade Reagents , for Analysis, ACS,ISO
Lot #:	G2404253
SKU #	D431641
Version	1
Analysis #:	353089
Storage Temperature:	Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.80 %
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 (%)	0.00000 %
Carbonyl compounds(CO)	0-0.01 (%)	0.00 %
formaldehyde	0-0.05 (%)	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
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)	0.02 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
Boron(B)	0-0.02 (ppm)	0.02 ppm
Appearance(D431641)	Colorless Liquid	Colorless liquid

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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