

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-18 17:02:41
 Date of Next Testing: 2030-07-17 17:02:41
 Product Name: **1,2-Propanediol**
 CAS Number: 57-55-6
 Specifications & Purity: electronic grade, UP grade, ≥99%
 Lot #: G2615578
 SKU #: **P1523622**
 Version: **1**
 Analysis #: **740200**
 Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.2 (%)	0.03000 %
Sodium(Na)	0-10 (ppb)	1.36000 ppb
Magnesium(Mg)	0-10 (ppb)	0.05000 ppb
Aluminum(Al)	0-10 (ppb)	0.15000 ppb
Potassium(K)	0-10 (ppb)	1.03000 ppb
Calcium(Ca)	0-10 (ppb)	0.28000 ppb
Chromium(Cr)	0-10 (ppb)	0.12000 ppb
Manganese(Mn)	0-10 (ppb)	0.04000 ppb
Iron(Fe)	0-10 (ppb)	0.68000 ppb
Lithium(Li)	0-10 (ppb)	0.02000 ppb
Cobalt(Co)	0-10 (ppb)	0.03000 ppb
Nickel(Ni)	0-10 (ppb)	0.16000 ppb
Copper(Cu)	0-10 (ppb)	0.13000 ppb
Zinc(Zn)	0-10 (ppb)	1.81000 ppb
Germanium (Ge)	0-10 (ppb)	0.10000 ppb
Silver(Ag)	0-10 (ppb)	0.03000 ppb
Cadmium(Cd)	0-10 (ppb)	0.05000 ppb
Gold(Au)	0-10 (ppb)	0.08000 ppb
Titanium(Ti)	0-10 (ppb)	0.02000 ppb
Gallium(Ga)	0-10 (ppb)	0.01000 ppb
Arsenic(As)	0-10 (ppb)	0.04000 ppb
Molybdenum(Mo)	0-10 (ppb)	0.01000 ppb
Tin(Sn)	0-10 (ppb)	0.02000 ppb
Barium(Ba)	0-10 (ppb)	0.00000 ppb
Lead(Pb)	0-10 (ppb)	0.01000 ppb

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Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.92000 %
Refractive index n ₂₀ /D	1.431-1.435	1.43250
Appearance(P1523622)	Colorless viscous liquid	colorless viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager