

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-20 16:07:38

Date of Next Testing: 2028-08-19 16:07:38

Product Name: **1,3-Propanediol**

CAS Number: 504-63-2

Specifications & Purity: $\geq 98\%$

Lot #: G2429076

SKU #: **P108208**

Version: **0**

Analysis #: **331668**

Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.38000 %
Refractive index n ₂₀ /D	1.438-1.441	1.44000
Density (20°C)	1.053-1.056	1.05300
Water by Karl Fischer	0-0.5 (%)	0.21360 %
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (P108208)	Colorless to Yellow Viscous Liquid	Colorless to Yellow Viscous Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager