

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-19 09:50:51

Date of Next Testing: 2026-09-18 09:50:51

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

CAS Number: 504-63-2

Specifications & Purity: for synthesis

Lot #: I2314190

SKU #: **P432773**

Version: **1**

Analysis #: **277778**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.91 %
Density (20°C)	1.053-1.056	1.05
Appearance(P432773)	Colorless to Yellow Viscous Liquid	Colorless to Yellow Viscous Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR Spectrum 1H	Conforms to structure	Conforms to Structure

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

John Su
QA & QC Manager