

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-23 15:07:44  
Date of Next Testing: 2026-09-22 15:07:44  
Product Name: **(S)-3-Amino-1,2-propanediol**  
CAS Number: 61278-21-5  
Specifications & Purity:  $\geq 98\%$   
Lot #: I2214077  
SKU #: **A103187**  
Version: **1**  
Analysis #: **100864**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Titration by HClO <sub>4</sub> )	97.5-102.5 (%)	98.70000 %
Purity(GC)	98-100 (%)	99.29100 %
Specific Rotation [ $\alpha$ ] <sub>20</sub> /D(c=5 in H <sub>2</sub> O)	-4--2 (°)	-2.42200 °
Melting point	51-58 (°C)	55.65000 °C
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance (A103187)	white to yellow solid or liquid	white to yellow solid or liquid



John Su  
QA & QC Manager