

Certificate of Analysis

Date of Testing: 2025-01-16 15:58:36

Date of Next Testing: 2029-01-15 15:58:36

Product Name: **(S)-3-Amino-1,2-propanediol**

CAS Number: 61278-21-5

Specifications & Purity: $\geq 98\%$

Lot #: L1217013

SKU #: **A103187**

Version **1**

Analysis #: **464065**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in H}_2\text{O})$	-4--2 ($^{\circ}$)	-3.20 $^{\circ}$
Melting point	51-58 ($^{\circ}\text{C}$)	56.00000 $^{\circ}\text{C}$
Purity(Titration by HClO_4)	97.5-102.5 (%)	98.30 %
Purity(GC)	98-100 (%)	98.10 %
Appearance (A103187)	white to yellow solid or liquid	white to yellow solid or liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager