

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-23 18:03:53
 Date of Next Testing: 2026-09-22 18:03:53
 Product Name: (R)-(-)-2,3-Diaminopropionic Acid Hydrochloride
 CAS Number: 6018-56-0
 Specifications & Purity: ≥99%
 Lot #: I2216162
 SKU #: D102444
 Version: 1
 Analysis #: 109993
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Melting point	235-240 (°C)	239.39000 °C
Specific Rotation [α] ₂₀ /D(c=2 in 1 M HCl)	-26--20 (°)	-22.07500 °
Purity(Neutralization titration)	98.5-101.5 (%)	99.61000 %
Appearance (D102444)	White to Almost white powder to crystal	White to Almost white powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager