

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-05 16:57:59
 Date of Next Testing: 2026-06-04 16:57:59
 Product Name: **L-Homocysteine thiolactone hydrochloride**
 CAS Number: 31828-68-9
 Specifications & Purity: $\geq 95\%$
 Lot #: E2329333
 SKU #: **S169532**
 Version: **1**
 Analysis #: **215013**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	19-23 (°)	21.24900°
Nitrogen by Elemental Analysis	8.8-9.4 (%)	9.12200%
Carbon by Elemental Analysis	30.5-31.7 (%)	31.22400%
Appearance (S169532Form)	Powder and solid	Powder and solid
Appearance (S169532Color)	White to Yellow	White to Yellow
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager