

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-05 17:07:54

Date of Next Testing: 2026-06-04 17:07:54

Product Name: **L-Homocysteine thiolactone hydrochloride**

CAS Number: 31828-68-9

Specifications & Purity: $\geq 95\%$

Lot #: E2329261

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