

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-18 13:56:52

Date of Next Testing: 2029-08-17 13:56:52

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

CAS Number: 6038-19-3

Specifications & Purity: $\geq 98\%$

Lot #: K2102039

SKU #: **H108030**

Version: **2**

Analysis #: **554742**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98-100 (%)	98.20000 %
Melting point	198-208 (°C)	205.50000 °C
Specific rotation $[\alpha]_{20/D}(C=2.5, 5\text{mol/L HCl})$	-2~2 (°)	1.10000 °
Appearance (H108030)	white to grey powder or crystals	white to grey powder or crystals
Solubility in 5M HCl, 100mg/ml	Colorless to Light Brown, Clear to Hazy	Colorless to Light Brown, Clear to Hazy
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager