

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-03 10:58:56

Date of Next Testing: 2028-09-02 10:58:56

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

CAS Number: 6038-19-3

Specifications & Purity: $\geq 98\%$

Lot #: H2416312

SKU #: **H108030**

Version: **2**

Analysis #: **394573**

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

Parameter	Limit Values	Result
Melting point	198-208 (°C)	204.91000 °C
Specific rotation $[\alpha]_{20/D}(C=2.5, 5\text{mol/L HCl})$	-2~2 (°)	0.30500 °
Purity (Argentmetric Titration)	98-100 (%)	98.10000 %
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