

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-24 14:45:51
 Date of Next Testing: 2029-05-23 14:45:51
 Product Name: **DL-Cysteine hydrochloride**
 CAS Number: 10318-18-0
 Specifications & Purity: $\geq 97\%$
 Lot #: E2520302
 SKU #: **D768829**
 Version: **2**
 Analysis #: **500320**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Drying loss	≤ 2 (%)	1.87154 %
Assay(Titration by AgNO ₃)	96.5-103.5 (%)	103.21500 %
Specific rotation $[\alpha]_{20/D(C=5,5NHCL)}$	-1~1 (°)	0.32600 °
Appearance(D768829)	White to Light yellow powder to crystal	White to Light yellow powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager