

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-13 15:49:06  
Date of Next Testing: 2027-12-13 15:49:06  
Product Name: **D-Cysteine Hydrochloride Monohydrate**  
CAS Number: 207121-46-8  
Specifications & Purity:  $\geq 98\%$   
Lot #: L2409603  
SKU #: **S588042**  
Version: **1**  
Analysis #: **386470**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Assay(Iodometric titration)	97.5-102.5 (%)	101.12000 %
Specific Rotation $[\alpha]_{20/D}(c=8 \text{ in } 6N \text{ HCl})$	-8~-5 (°)	-5.36 °
loss on drying(108°C/constant wt.)	8~12 (%)	11.64000 %
Appearance(S588042)	White to Almost white powder to crystalline	White to Almost white powder to crystalline
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager