

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-30 13:53:59

Date of Next Testing: 2027-06-29 13:53:59

Product Name: **DL-Cystine**

CAS Number: 923-32-0

Specifications & Purity:  $\geq 98\%$

Lot #: F23251330

SKU #: **C100539**

Version: **0**

Analysis #: **222472**

Storage Temperature: Room temperature

| Parameter                                                                | Limit Values          | Result                |
|--------------------------------------------------------------------------|-----------------------|-----------------------|
| Carbon by Elemental Analysis                                             | 29.3-30.6 (%)         | 30.20000 %            |
| Nitrogen by Elemental Analysis                                           | 11.3-11.9 (%)         | 11.50000 %            |
| Purity(HPLC)                                                             | 98-100 (%)            | 98.73300 %            |
| Proton NMR spectrum                                                      | Conforms to Structure | Conforms to Structure |
| Solubility in 1 M HCl , Colorless to Light Yellow, Clear to Hazy 50mg/ml | pass                  | Pass                  |



John Su  
QA & QC Manager