

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-01 14:28:23  
 Date of Next Testing: 2028-07-31 14:28:23  
 Product Name: **Cystamine Dihydrochloride**  
 CAS Number: 56-17-7  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: G2425045  
 SKU #: **C597659**  
 Version: **2**  
 Analysis #: **245314**  
 Storage Temperature: Room temperature

| Parameter                       | Limit Values                                      | Result                                            |
|---------------------------------|---------------------------------------------------|---------------------------------------------------|
| Nitrogen by Elemental Analysis  | 11.5-12.9 (%)                                     | 12.31000 %                                        |
| Carbon by Elemental Analysis    | 20.1-21.9 (%)                                     | 21.45000 %                                        |
| Purity (Argentmetric Titration) | 96.5-103.5 (%)                                    | 99.97000 %                                        |
| Melting point                   | 214-222 (°C)                                      | 221.77000 °C                                      |
| Proton NMR spectrum             | Conforms to Structure                             | Conforms to Structure                             |
| Appearance(C597659)             | White to Yellow to Tan Powder, Crystals or Chunks | White to Yellow to Tan Powder, Crystals or Chunks |



John Su  
QA & QC Manager