

## Certificate of Analysis

Date of Testing: 2022-02-22 08:55:44  
Date of Next Testing: 2026-02-21 08:55:44  
Product Name: **Mechlorethamine hydrochloride**  
CAS Number: 55-86-7  
Specifications & Purity: 98%  
Lot #: B2211354  
SKU #: **M113888**  
**Analysis:** **077314**  
Storage Temperature: Desiccated

| Parameter                               | Limit Values                                  | Result  |
|---|---|---|
| Melting point                           | 108-111 (°C)                                  | 108.18000 °C                                  |
| Purity(with Total Nitrogen)             | 97.5-102.5 (%)                                | 98.27 %                                       |
| Purity(Titration by AgNO <sub>3</sub> ) | 97.5-102.5 (%)                                | 102.09 %                                      |
| Appearance (M113888)                    | White to Off-White Solid, Powder, or Crystals | White to Off-White Solid, Powder, or Crystals |
| Proton NMR spectrum                     | Conforms to structure                         | Conforms to Structure                         |



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