

## Certificate of Analysis

Date of Testing: 2025-06-11 16:20:13

Date of Next Testing: 2027-06-11 16:20:13

Product Name: **2-Hydroxyethylurea**

CAS Number: 2078-71-9

Specifications & Purity:  $\geq 98\%$

Lot #: K2119081

SKU #: **H136122**

Version: **0**

Analysis #: **522749**

| Parameter                                                                        | Limit Values                                          | Result                                                |
|----------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Melting point                                                                    | 91-95 (°C)                                            | 93.65800 °C                                           |
| Carbon by Elemental Analysis                                                     | 33.4-35.1 (%)                                         | 34.50 %                                               |
| Purity(HPLC)                                                                     | 98-100 (%)                                            | 98.02480 %                                            |
| Nitrogen by Elemental Analysis                                                   | 25.9-27.4 (%)                                         | 26.41 %                                               |
| Appearance (H136122)                                                             | white to off-white<br>powder,crystals,flakes or chunk | white to off-white<br>powder,crystals,flakes or chunk |
| Infrared spectrum                                                                | Conforms to Structure                                 | Conforms to Structure                                 |
| Solubility in H <sub>2</sub> O , Colorless to yellow clear solution (50 mg / mL) | pass                                                  | Pass                                                  |



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