

## Certificate of Analysis

Date of Testing: 2025-05-26 10:52:42

Date of Next Testing: 2029-05-25 10:52:42

Product Name: **Urea**

CAS Number: 57-13-6

Specifications & Purity:  $\geq 99.5\%$

Lot #: D2517636

SKU #: **U141075**

Version: **1**

Analysis #: **465328**

| Parameter                                    | Limit Values                                         | Result                                               |
|----------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| Water by Karl Fischer                        | 0-1 (%)                                              | 0.12 %                                               |
| Purity(HPLC)                                 | 99.5-100 (%)                                         | 100.00000 %                                          |
| Melting point                                | 132-135 (°C)                                         | 134.95000 °C                                         |
| Biuret                                       | 0-0.3 (%)                                            | 0.30 %                                               |
| Appearance (U141075)                         | Colorless or White Crystals ,Powder and/or<br>Chunks | Colorless or White Crystals ,Powder and/or<br>Chunks |
| Solubility in<br>H2O , Colorless, Clear, 8 M | pass                                                 | Pass                                                 |
| Infrared spectrum                            | Conforms to Structure                                | Conforms to Structure                                |



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