

## Certificate of Analysis

Date of Testing: 2023-11-29 15:30:34

Date of Next Testing: 2025-11-28 15:30:34

Product Name: **D-Lysine**

CAS Number: 923-27-3

Specifications & Purity:  $\geq 98\%$

Lot #: K2327030

SKU #: **D420109**

**Analysis:** **300743**

Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                                                              | Limit Values                                  | Result                                        |
|------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Purity(HPLC)                                                           | 98-100 (%)                                    | 99.99500 %                                    |
| Specific Rotation $[\alpha]_{25}^{\text{D}}$ (c=1 in H <sub>2</sub> O) | -16--12 (°)                                   | -13.24 °                                      |
| Water by Karl Fischer                                                  | 0-5 (%)                                       | 1.46 %                                        |
| Appearance(D420109)                                                    | white to off-white powder, crystals or chunks | White to off-white Powder, Crystals or Chunks |
| Infrared spectrum                                                      | Conforms to Structure                         | Conforms to Structure                         |



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