

## Certificate of Analysis

Date of Testing: 2024-11-26 15:43:15

Date of Next Testing: 2028-11-25 15:43:15

Product Name: **L-dopa**

CAS Number: 59-92-7

Specifications & Purity: Moligand™, ≥99%

Lot #: K2425296

SKU #: **D111048**

Version: **1**

Analysis #: **437683**

Storage Temperature: Protected from light, Argon charged

| Parameter                                                                  | Limit Values              | Result                    |
|----------------------------------------------------------------------------|---------------------------|---------------------------|
| Carbon by Elemental Analysis                                               | 53.7-55.9 (%)             | 54.13 %                   |
| Purity(HPLC)                                                               | 99-100 (%)                | 99.97900 %                |
| Specific Rotation [α] <sub>20</sub> /D(c=5 in 1mol/L HCl)                  | -13--11 (°)               | -11.66 °                  |
| Nitrogen by Elemental Analysis                                             | 6.5-7.6 (%)               | 7.22                      |
| Appearance (D111048)                                                       | White to Off-White Powder | White to Off-White Powder |
| Infrared spectrum                                                          | Conforms to Structure     | Conforms to Structure     |
| Solubility in 0.5 M HCl , Colorless to Light Yellow Clear to Hazy(50mg/ml) | pass                      | Pass                      |
| Solubility in 1 M HCl                                                      | Almost transparency       | almost transparency       |



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