

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-16 09:35:14

Date of Next Testing: 2027-01-15 09:35:14

Product Name: **L-dopa**

CAS Number: 59-92-7

Specifications & Purity: Moligand™, ≥99%

Lot #: A2306081

SKU #: **D111048**

Version: **1**

Analysis #: **063382**

Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter                                                                  | Limit Values              | Result                    |
|----------------------------------------------------------------------------|---------------------------|---------------------------|
| Carbon by Elemental Analysis                                               | 53.7-55.9 (%)             | 54.56000 %                |
| Purity(Nonaqueous Titration)                                               | 98.5-101.5 (%)            | 99.63200 %                |
| Purity(HPLC)                                                               | 98-100 (%)                | 99.47700 %                |
| Specific Rotation [α] <sub>20</sub> /D(c=5 in 1mol/L HCl)                  | -13--11 (°)               | -11.30800 °               |
| Nitrogen by Elemental Analysis                                             | 6.5-7.6 (%)               | 7.12000 %                 |
| 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       |



John Su  
QA & QC Manager