

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2024-02-01 09:42:37  
Date of Next Testing: 2028-01-31 09:42:37  
Product Name: **Dopamine hydrochloride**  
CAS Number: 62-31-7  
Specifications & Purity: Moligand™, ≥98%  
Lot #: A2425052  
SKU #: **D103111**  
Version: **1**  
Analysis #: **313451**  
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                       | Limit Values                                        | Result                                              |
|---------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Purity (Argentmetric Titration) | 98-100 (%)                                          | 98.84000 %                                          |
| Carbon by Elemental Analysis    | 49.7-51.7 (%)                                       | 50.19700 %                                          |
| Purity(HPLC)                    | 98-100 (%)                                          | 99.66900 %                                          |
| Nitrogen by Elemental Analysis  | 7.2-7.5 (%)                                         | 7.37600 %                                           |
| Appearance (D103111)            | White to yellow/tan cast Powder, Lyophilized Powder | White to yellow/tan cast Powder, Lyophilized Powder |
| Proton NMR spectrum             | Conforms to Structure                               | Conforms to Structure                               |
| Solubility in H <sub>2</sub> O  | Almost transparency                                 | almost transparency                                 |

