

Shanghai Aladdin Biochemical Technology Co., LTD  
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## Certificate of Analysis

Date of Testing: 2025-05-19 16:18:49  
Date of Next Testing: 2029-05-18 16:18:49  
Product Name: **Dopamine hydrochloride**  
CAS Number: 62-31-7  
Specifications & Purity:  $\geq 98\%$   
Lot #: E2514024  
SKU #: **D103111**  
Version: **1**  
Analysis #: **450127**  
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                      | Limit Values                                        | Result                                              |
|--------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Carbon by Elemental Analysis   | 49.7-51.7 (%)                                       | 50.49200 %                                          |
| Purity(HPLC)                   | 98-100 (%)                                          | 99.75400 %                                          |
| Nitrogen by Elemental Analysis | 7.2-7.5 (%)                                         | 7.31300 %                                           |
| 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                                 |

