

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-29 17:16:23
Date of Next Testing: 2027-08-28 17:16:23
Product Name: **Dopamine hydrochloride**
CAS Number: 62-31-7
Specifications & Purity: 98%
Lot #: H2328070
SKU #: **D103111**
Analysis: 027049
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|---------------------------------|---|---|
| Purity (Argentmetric Titration) | 98-100 (%) | 99.02 % |
| Carbon by Elemental Analysis | 49.7-51.7 (%) | 50.61 % |
| Purity(HPLC) | 98-100 (%) | 99.83000 % |
| Nitrogen by Elemental Analysis | 7.2-7.5 (%) | 7.33 % |
| 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 ₂ O | Almost transparency | almost transparency |



John Su
QA & QC Manager