

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-28 15:08:41
Date of Next Testing: 2028-12-27 15:08:41
Product Name: **Dopamine hydrochloride**
CAS Number: 62-31-7
Specifications & Purity: $\geq 98\%$
Lot #: L2424310
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 (%) | 50.49 % |
| Purity(HPLC) | 98-100 (%) | 99.75400 % |
| Nitrogen by Elemental Analysis | 7.2-7.5 (%) | 7.31 % |
| 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