

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-21 13:34:29  
Date of Next Testing: 2027-11-20 13:34:29  
Product Name: **Dopamine hydrochloride**  
CAS Number: 62-31-7  
Specifications & Purity: 98%  
Lot #: K2315309  
SKU #: **D103111**  
**Analysis:** **290666**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	98-100 (%)	99.56 %
Carbon by Elemental Analysis	49.7-51.7 (%)	50.14 %
Purity(HPLC)	98-100 (%)	99.68400 %
Nitrogen by Elemental Analysis	7.2-7.5 (%)	7.34 %
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



John Su  
QA & QC Manager