

## Certificate of Analysis

Date of Testing: 2024-11-25 09:13:51  
Date of Next Testing: 2028-11-24 09:13:51  
Product Name: **Dopamine hydrochloride**  
CAS Number: 62-31-7  
Specifications & Purity:  $\geq 98\%$   
Lot #: K2420426  
SKU #: **D103111**  
Version: **1**  
Analysis #: **431299**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	49.7-51.7 (%)	50.29 %
Purity(HPLC)	98-100 (%)	99.65900 %
Nitrogen by Elemental Analysis	7.2-7.5 (%)	7.38 %
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