

## Certificate of Analysis

Date of Testing: 2023-11-28 10:01:46  
 Date of Next Testing: 2027-11-27 10:01:46  
 Product Name: **Dopamine hydrochloride**  
 CAS Number: 62-31-7  
 Specifications & Purity: 98%  
 Lot #: K2321011  
 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 H2O	Almost transparency	almost transparency



John Su  
 QA & QC Manager