

## Certificate of Analysis

Date of Testing: 2022-12-01 19:19:55  
Date of Next Testing: 2026-11-30 19:19:55  
Product Name: **Ipratropium Bromide Monohydrate**  
CAS Number: 66985-17-9  
Specifications & Purity:  $\geq 98.0\%$   
Lot #: K2224542  
SKU #: **I157450**  
Analysis: **120773**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.48400 %
Water by Karl Fischer	3.5-4.5 (%)	3.89 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager