

## Certificate of Analysis

Date of Testing: 2023-10-25 15:03:01  
Date of Next Testing: 2027-10-24 15:03:01  
Product Name: **Serotonin hydrochloride**  
CAS Number: 153-98-0  
Specifications & Purity: Analytical Reagent  
Lot #: J2323691  
SKU #: **S111161**  
**Analysis: 281730**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	0.48 %
Nitrogen by Elemental Analysis	12.5-13.9 (%)	12.96 %
Purity(Titration by AgNO3)	97.5-102.5 (%)	102.48 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Yellow to beige to Brown, Clear to Hazy, 100mg/mL	pass	Pass
Appearance (S111161)	White to Light yellow to Purple to Brown powder to crystal	White to Light yellow to Purple to Brown powder to crystal



John Su  
QA & QC Manager