

## Certificate of Analysis

Date of Testing: 2022-06-15 22:08:56  
Date of Next Testing: 2026-06-14 22:08:56  
Product Name: **MBTH hydrochloride hydrate**  
CAS Number: 149022-15-1  
Specifications & Purity: 98%  
Lot #: F2214176  
SKU #: **M106733**  
Analysis: **101082**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.61300 %
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	101.30 %
Loss on drying	0-9 (%)	3.07 %
Appearance (M106733)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , 50 mg/mL, H <sub>2</sub> O pass		Pass



John Su  
QA & QC Manager