

## Certificate of Analysis

Date of Testing: 2024-08-22 16:23:37  
Date of Next Testing: 2028-08-21 16:23:37  
Product Name: **Ytterbium trifluoromethanesulfonate hydrate**  
CAS Number: 252976-51-5  
Specifications & Purity: 99.9% metals basis  
Lot #: H2416509  
SKU #: **Y113955**  
Version: **0**  
Analysis #: **357828**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based on Trace Metals Impurities of ICP)	99.9-100 (%)	99.99%
Yb(Titration complexometric)	25-28 (%)	27.11%
Total Metallic Impuritie	0-1000 (ppm)	123.00 ppm
Appearance (Y113955)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager