

## Certificate of Analysis

Date of Testing: 2023-03-09 19:51:42  
Date of Next Testing: 2027-03-08 19:51:42  
Product Name: **Ytterbium sulfate octahydrate**  
CAS Number: 10034-98-7  
Specifications & Purity: 99%  
Lot #: C2306248  
SKU #: **Y498645**  
**Analysis: 197110**

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99-100 (%)	99.23%
Trace Rare Earth Analysis(by ICP Atomic emission)	≤10000 (ppm)	7712.00 ppm
Appearance(Y498645)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
ICP:Confirms Ytterbium component	Confirmed	Confirmed



John Su  
QA & QC Manager