

## Certificate of Analysis

Date of Testing: 2023-02-22 19:08:14  
Date of Next Testing: 2025-02-11 19:08:14  
Product Name: **Ytterbium nitrate pentahydrate**  
CAS Number: 35725-34-9  
Specifications & Purity: 99.9% metals basis  
Lot #: B23111045  
SKU #: **Y100517**  
**Analysis: 191351**

Parameter	Limit Values	Result
Water by Karl Fischer	18-22 (%)	22.00 %
Y(Complexiometric EDTA)	37.4-39.7 (%)	38.47 %
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.99 %
Trace Rare Earth Analysis(by ICP Atomic emission)	0-1500 (ppm)	200.00 ppm
Appearance (Y100517)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
ICP:Confirms Ytterbium component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager