

Certificate of Analysis

Date of Testing: 2023-07-11 10:28:25
Date of Next Testing: 2025-06-30 10:28:25
Product Name: **Ytterbium nitrate pentahydrate**
CAS Number: 35725-34-9
Specifications & Purity: 99.9% metals basis
Lot #: I2127197
SKU #: **Y100517**
Analysis: **249745**

Parameter	Limit Values	Result
Water by Karl Fischer	18-22 (%)	18.07%
Y(Complexiometric EDTA)	37.4-39.7 (%)	39.70%
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.90%
Trace Rare Earth Analysis(by ICP Atomic emission)	0-1500 (ppm)	600.00 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