

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-10 13:20:36  
Date of Next Testing: 2026-06-09 13:20:36  
Product Name: **Holmium(III) nitrate pentahydrate**  
CAS Number: 14483-18-2  
Specifications & Purity: 99.9% trace metals basis  
Lot #: F2302229  
SKU #: **H432119**  
**Analysis: 223104**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Complexometric EDTA(% Ho)	35.7-39.1 (%)	36.31 %
Purity Based On Rare Earth Analysis	99.9-100 (%)	99.97 %
Trace Rare Earth Analysis	0-1000 (ppm)	310.00 ppm
Appearance(H432119)	Yellow to Orange to Light Red Powder or Crystal or Chunk(s)	Yellow to Orange to Light Red Powder or Crystal or Chunk(s)
ICP: Confirms Holmium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager