

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-29 11:21:03
Date of Next Testing: 2026-11-28 11:21:03
Product Name: **Holmium(III) nitrate pentahydrate**
CAS Number: 14483-18-2
Specifications & Purity: 99.9% trace metals basis
Lot #: K2320031
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