

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2022-03-03 17:05:06
Date of Next Testing:	2026-03-02 17:05:06
Product Name:	Thorin
CAS Number:	3688-92-4
Specifications & Purity:	90%
Lot #:	B2226621
SKU #	T104944
Analysis:	061984
Storage Temperature:	Argon charged

Parameter	Limit Values	Result
E1%(1cm 485nm,H2O)	≥200	220.00
Lambda max(H2O)	480-490 (nm)	484.00 nm
Absorbance(10mg/L,480.0-490.0nm,H2O,calcd.on dried substance	≥0.5	0.63
Loss on drying	0-20 (%)	9.30 %
Purity(Iodometric Titration)(anhydrous)	90-100 (%)	90.12 %
Appearance (T104944)	Red to Brown-Red Powder	Red to Brown-Red Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Sensitiveness test	pass	Pass



John Su
QA & QC Manager