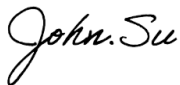


ALADDIN SCIENTIFIC CORPORATION
14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-29 17:11:53
Date of Next Testing: 2026-11-28 17:11:53
Product Name: **Lutetium(III) perchlorate**
CAS Number: 14646-29-8
Specifications & Purity: $\geq 99.9\%$ metals basis(REO), 50% aqueous solution
Lot #: K2327368
SKU #: **L283507**
Version: **1**
Analysis #: **296365**
Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Purity Based On Rare Earth Analysis	99.9-100 (%)	100.00 %
Trace Rare Earth Analysis concentration	0-1000 (ppm) 45-55 (%)	23.00 ppm 52.05000 %
ICP: Confirms Lutetium Component	Confirmed to structure	Confirmed to structure



John Su
QA & QC Manager