

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-13 13:34:23

Date of Next Testing: 2027-04-12 13:34:23

Product Name: **(1,10-Phenanthroline)tris[4,4,4-trifluoro-1-(2-thienyl)-1,3-butanedionato]europium(III)**

CAS Number: 17904-86-8

Specifications & Purity: 98%

Lot #: D2304008

SKU #: **P121293**

Analysis: **164168**

| Parameter | Limit Values | Result |
|-------------------------------|-----------------------|-----------------------|
| Purity(Chelometric Titration) | 97.5-102.5 (%) | 100.40 % |
| Purity(HPLC) | 98-100 (%) | 98.21000 % |
| Melting point | 245-251 (°C) | 245.52000 °C |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager