

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-01 15:22:06
 Date of Next Testing: 2025-01-21 15:22:06
 Product Name: **(R)-(-)-1,1'-Bi-2-naphthol Bis(trifluoromethanesulfonate)**
 CAS Number: 126613-06-7
 Specifications & Purity: 98%
 Lot #: A2329410
 SKU #: **B115801**
 Analysis: **158256**

Parameter	Limit Values	Result
Molar extinction coefficient (λ :215.0 -225.0 nm,CH ₃ CN)	≥ 115000	115010.20
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in THF})}$	-154--135 (°)	-148.51°
Lambda max(CH ₃ CN)	215-225 (nm)	218.63 nm
Melting point	82-87 (°C)	84.33000 °C
Purity(HPLC)	98-100 (%)	99.80200%
Carbon by Elemental Analysis	46.3-49.7 (%)	46.52%
Sulfur by Elemental Analysis	11.2-12.1 (%)	11.76%
Appearance (B115801)	white to yellow powder, crystals, and/or chunks	white to yellow powder, crystals, and/or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager