

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-05 14:14:43

Date of Next Testing: 2027-01-04 14:14:43

Product Name: **4,7-Bis(5-bromo-4-dodecyl-2-thienyl)-2,1,3-benzothiadiazole**

CAS Number: 1179993-72-6

Specifications & Purity: $\geq 98\%$

Lot #: L2216640

SKU #: **B152469**

Version: **2**

Analysis #: **131629**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Carbon by Elemental Analysis	56.22-58.54 (%)	57.54000 %
Nitrogen by Elemental Analysis	3.45-3.59 (%)	3.59000 %
Appearance(B152469)	Orange to Red powder to crystal	Orange to Red powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager