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

Certificate of Analysis

Date of Testing:	2023-06-16 17:01:40
Date of Next Testing:	2027-06-15 17:01:40
Product Name:	**4,8-Bis(n-octyloxy)-2,6-bis(trimethylstannyl)benzo[1,2-b:4,5-b']dithiophene**
CAS Number:	1098102-95-4
Specifications & Purity:	≥95%
Lot #:	F2309168
SKU #	**B152916**
Version	**2**
Analysis #:	**213392**
Storage Temperature:	Room temperature

Parameter	**Limit Values**	**Result**
Carbon by Elemental Analysis	46.29-52.21（%）	48.59600 %
Hydrogen by Elemental Analysis	6.51-7.33（%）	6.74000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(B152916)	White to Amber to Dark green powder to crystal	White to Amber to Dark green powder to crystal
ICP:Confirms Tin Component	Confirmed	Confirmed

John Su
QA & QC Manager