

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-11 15:32:51
 Date of Next Testing: 2029-08-10 15:32:51
 Product Name: **3,3,3',3'-Tetramethyl-1,1'-bis(4-sulfobutyl)indocarbocyanine Sodium Salt**
 CAS Number: 120724-84-7
 Specifications & Purity: $\geq 98\%$
 Lot #: H2501574
 SKU #: **T161976**
 Version: **1**
 Analysis #: **475030**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.30000 %
Lambda max (MeOH)	547-552 (nm)	549.00000 nm
Absorbance(E1%1cm,MeOH, 547.0 to 552.0 nm)	≥ 2000	2118.00000
Water by Karl Fischer	0-10 (%)	5.40000 %
Appearance(T161976)	Yellow to Dark green to Black powder to crystal	Yellow to Dark green to Black powder to crystal
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager