

Certificate of Analysis

Date of Testing: 2022-04-22 16:09:19

Date of Next Testing: 2024-04-21 16:09:19

Product Name: **3,3'-Dipropylthiadicarbocyanine iodide**

CAS Number: 53213-94-8

Specifications & Purity: $\geq 98\%$

Lot #: D2219044

SKU #: **D131515**

Analysis: **077418**

Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	53.3-55.4 (%)	53.44 %
Nitrogen by Elemental Analysis	4.5-5.6 (%)	4.75 %
Purity(HPLC)	98-100 (%)	99.52600 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager