

Certificate of Analysis

Date of Testing: 2023-01-17 23:58:10

Date of Next Testing: 2025-01-16 23:58:10

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

CAS Number: 53213-94-8

Specifications & Purity: $\geq 98\%$

Lot #: F1515085

SKU #: **D131515**

Analysis: **179906**

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

Parameter	Limit Values	Result
Carbon by Elemental Analysis	53.3-55.4 (%)	55.30 %
Nitrogen by Elemental Analysis	4.5-5.6 (%)	5.20 %
Purity(HPLC)	98-100 (%)	98.20000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager