



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-205905
Lot Number: SAMPLE
Product Name: 3,3'-Dihexyloxacarbocyanine Iodide
CAS Number: 53213-82-4
Molecular Formula: $C_{29}H_{37}IN_2O_2$
Molecular Weight: 572.52

Test	Specification	Result
Appearance	Red Powder or Chunks	Red Powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 98\%$	$> 98\%$
Solubility	Clear to Slightly Hazy and Orange solution $c=25$ mg/ml, $CHCl_3$	Very Slightly Hazy Dark Orange solution $c=25$ mg/ml, $CHCl_3$
Extinction Coefficient	≥ 20000 ($c = 0.01$ g/L; Methanol)	145025
Wavelength	483 - 488 nm	486 nm
Carbon Content	59.3 - 62.4 %	60.5 %
Nitrogen Content	4.6 - 5.1 %	4.8 %

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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