



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215303
Lot Number: SAMPLE
Product Name: Merocyanine 540
CAS Number: 62796-23-0
Molecular Formula: $C_{26}H_{32}N_3NaO_6S_2$
Molecular Weight: 569.67

Test	Specification	Result
Appearance (Color)	Dark to very dark purple	Very dark blue-purple
Appearance (Form)	Powder or crystalline powder	Crystalline powder
Identification (Infrared Spectrum)	Complies with structure	Complies
Purity (TLC)	Consistent with history	95.4 %
Solution (Color)	Dark to very dark red to purple	Very dark purple
Absorbance	≥ 120000	150749
Wavelength	552 - 558 nm	555 nm
Carbon	48.3 - 61.4 %	54.0 %
Nitrogen	6.4 - 8.3 %	7.2 %
Water Content	$\leq 10 \%$	3.3 %

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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