



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-210999  
Lot Number: SAMPLE  
Product Name: Calcein disodium salt  
CAS Number: 108750-13-6  
Molecular Formula:  $C_{30}H_{24}N_2Na_2O_{13}$   
Molecular Weight: 666.50

Test	Specification	Result
Appearance (Color)	Brown to very dark brown and orange to very dark orange and red to very dark red	Very dark orange
Appearance (Form)	Powder or crystals	Powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Identification (TLC)	Consistent with standard	Complies
Solution (Color)	Orange / brown / red-brown / red to very deep orange / brown / red-brown / red	Very deep red
Solution (Turbidity)		Very turbid (> 200 NTU)
Absorption Excitation	494 - 504 nm	499.2 nm
E1%	$\geq 600$	831
Carbon Content	54.06%	43.89%
Hydrogen Content	3.63%	4.26%
Nitrogen Content	4.20%	3.94%
Suitability	Suitable as indicator for complexometry	Complies

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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