



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-214650  
Lot Number: SAMPLE  
Product Name: Calcein Blue  
CAS Number: 54375-47-2  
Molecular Formula:  $C_{15}H_{15}NO_7$   
Molecular Weight: 321.28

Test	Specification	Result
Appearance	White to light yellow powder	Off white powder
Identification (1H-NMR)	Consistent with structure	Complies
Solubility	Clear to slightly hazy and light yellow to dark yellow and light orange to dark orange solution at 50 mg/ml in 1M NaOH	Clear and orange solution
Carbon Content	54.5 - 56.5%	55.2%
Nitrogen Content	4.0 - 4.6%	4.2%
Suitability	Suitable for use as an indicator for EDTA titrations	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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