



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-217957
Lot Number: SAMPLE
Product Name: Crocin
CAS Number: 42553-65-1
Molecular Formula: $C_{44}H_{64}O_{24}$
Molecular Weight: 976.96

Test	Specification	Result
Appearance (Color)	Yellow to Very Dark Yellow and Orange to Very Dark Orange and Red to Very Dark Red	Very Dark Orange
Appearance (Form)	Powder or Crystals	Powder
Identification (Infrared Spectrum)	Conforms to Structure	Complies
TLC	Corresponds to Standard	Complies
Solubility	0.1 G in 10 mL water	0.1 G in 10 mL water
Solution (Color)	Orange/Red to Very Deep Orange/Red	Very Deep Orange
Solution (Turbidity)		Slightly Turbid (30 - 100 NTU)
Extinction Coefficient (1)	≥ 55	139
Extinction Coefficient (2)	≥ 70	159
Wavelength	450 - 460 NM	455.4 NM
Loss on Drying	$\leq 5.0 \%$	1.543 %

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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