



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-236596
Lot Number: SAMPLE
Product Name: (R)-(+)-6-Hydroxy-2,5,7,8-tetramethylchroman-2-carboxylic acid
CAS Number: 53101-49-8
Molecular Formula: $C_{14}H_{18}O_4$
Molecular Weight: 250.29

Test	Specification	Result
Appearance (Color)	White to off white to beige to red orange to grey	White
Appearance (Form)	Powder, crystals, crystalline powder and/or chunks	Powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Sodium Hydroxide Titration)	97.5 - 102.5%	99.9%
Solution (Color)	Colorless to light yellow solution at 2.5% in ethanol	Colorless
Solution (Turbidity)	Clear to slightly hazy solution at 2.5% in ethanol	Clear
Optical Rotation	62.0 - 68.0° (1.2% in ethanol)	64.1°

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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