



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-284984
Lot Number: SAMPLE
Product Name: Benzoyl-L-citrulline methyl ester
CAS Number: 14325-36-1
Molecular Formula: $C_{14}H_{19}N_3O_4$
Molecular Weight: 293.32

Test	Specification	Result
Appearance		White product
Identification (CHN)		calculated as water
Identification (TLC)		Chloroform/Methanol/Acetic acid 32% (v/v/v): (5/3/1) Chloroform/MeOH/AcOH (v/v/v): (77.5/15/17.5) CHCl ₃ /MeOH/benzene/water (v/v/v/v): (8/8/8/1)
Purity (TLC)		> 99%
Melting Point		151 - 156 °C
Solubility		Clear, colorless solution (50 mg/ml in Methanol)
Specific Rotation ($\alpha_{24/D}$)		-14.8°
Carbon Content	57.33%	57.53%
Hydrogen Content	6.53%	6.94%
Nitrogen Content	14.33%	14.37%
Water Content		0.5%

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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