



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-489421
Lot Number: SAMPLE
Product Name: Hexanedioic Acid 1-(3-Hydroxy-2,2-dimethylpropyl) Ester
CAS Number: 856322-18-4
Molecular Formula: $C_{11}H_{20}O_5$
Molecular Weight: 232.27

Test	Specification	Result
Appearance	Pale yellow semi-solid	Conforms
Assay	≥90.0%	97.7%
Identification (1H-NMR)	Conforms to structure	Conforms
Identification (Infrared Spectrum)	Conforms to structure	Conforms
Identification (Mass Spectrometry)	Conforms to structure	Conforms
Purity (HPLC)	≥95.0%	99.5%
Residual Solvents		(NMR) 1.1% ethyl acetate
Solubility		Methanol, DMSO, DMF, Acetonitrile, Ethanol
Impurity		(HPLC) RT 16.2, 0.47%
Water Content (KF)		0.7%

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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