



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-288177
Lot Number: SAMPLE
Product Name: 2-Ketobutyric acid-4-¹³C sodium salt hydrate
CAS Number:
Molecular Formula: $1_3\text{CH}_3\text{CH}_2\text{COCO}_2\text{Na}$
Molecular Weight: 125.06

Test	Specification	Result
Appearance	White powder	Complies
Identification (¹ H-NMR - FT)	Structure verification	Complies
Identification (¹³ C-NMR)	Structure verification	Complies
Purity (¹ H-NMR - FT)	Purity verification	Complies
Purity (¹ H-NMR - FT)	≥ 99% (¹³ C)	99.2% (¹³ C)
Purity (¹³ C-NMR)	Purity verification	Complies
Purity (IC)	≥ 97%	99.5%
Water Content	≤ 5%	0.33%

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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