

Certificate of Analysis

Reference Material & Standard

Product Name:	2-Hydroxycaprylic Acid	Catalogue Number:	CCHM701793
Synonyms:	N/A	Lot Number:	0205-RF-0026
CAS Number:	617-73-2	Expiry Date:	Feb 03, 2028
Molecular Formula:	C ₈ H ₁₆ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	160.21	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	GCMS&CNMR&HNMR	Confirmed
Purity	HPLC	97.208%
Loss On Drying	TGA	0.1179%
Assay		97.1%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Aproved by General Manager:

David

Date: Feb 04, 2024

Date: Feb 05, 2024

Date: Feb 05, 2024

