

Certificate of Analysis

Reference Material

Product Name:	N-Tritriacontane	Catalogue Number:	CCEM500672
Chemical Name:	N/A	Lot Number:	0819-RA-0002
CAS Number:	630-05-7	Expiry Date:	Jun 19, 2026
Molecular Formula:	C33H68	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	464.89		
Chemical Structure:			

Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	GCMS&HNMR	Confirmed
Purity	GC	100.000%
Loss On Drying	TGA	0.4282%
Assay		99.6%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula:

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

Loss On Drying is considered as absolute effect, GC 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:

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Reviewed by:

Xenia

Aproved by General manager:

David

Date: Jun 20, 2022

Date: Jun 20, 2022

Date: Jun 20, 2022

