Certificate of Analysis

Reference Material & Standard

Product Name:	1-Triacontanol	**Catalogue Number:**	CCHM701621
Synonyms:	N/A	**Lot Number:**	0910-RH-0063
CAS Number:	593-50-0	**Expiry Date:**	Oct 25, 2030
Molecular Formula:	$C_{30}H_{62}O$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	438.81	**Shipping Condition:**	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	92.729%
Loss on Drying	TGA	0.0022%
Assay	Mass Balance	92.7%
Uncertainty		±1.4%

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Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*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: Lisa Date: Oct 26, 2026

Reviewed by: Hinlam Date: Oct 26, 2026

Approved by General Manager: David Date: Oct 26, 2026

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

ISO 9001:2000 SGS

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