Certificate of Analysis

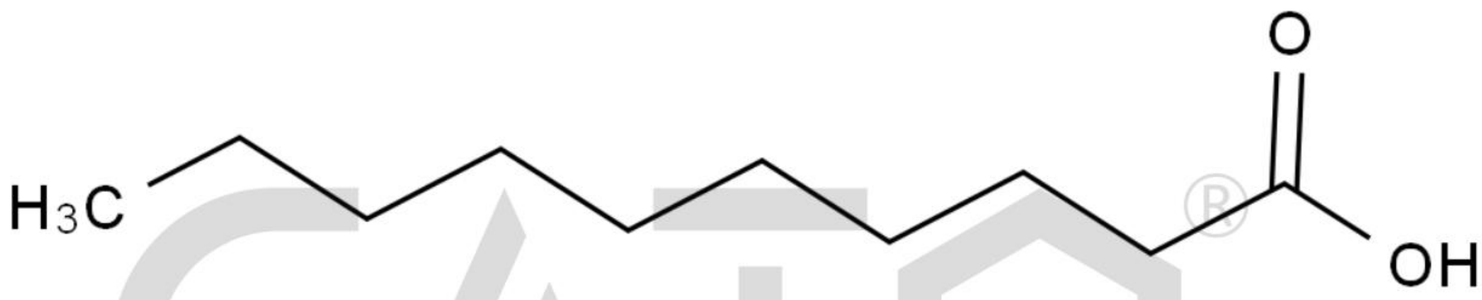
Reference Material & Standard

Product Name:	Decanoic Acid	**Catalogue Number:**	CCFD200086
Synonyms:	N/A	**Lot Number:**	0927-RH-0094
CAS Number:	334-48-5	**Expiry Date:**	Sep 28, 2030
Molecular Formula:	$C_{10}H_{20}O_2$	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	172.26	**Shipping Condition:**	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	100.000%
Loss on Drying	TGA	0.3278%
Assay		99.7%
Uncertainty		±0.2%

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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: Alice Date: Sep 29, 2026

Reviewed by: Lisa Date: Sep 29, 2026

Approved by General Manager: David Date: Sep 29, 2026

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