

Certificate of Analysis

Reference Material & Standard

Product Name:	1-Decene	Catalogue Number:	CCEM500098
Synonyms:	N/A	Lot Number:	0517-RC-0033
CAS Number:	872-05-9	Expiry Date:	May 18, 2025
Molecular Formula:	C ₁₀ H ₂₀	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	140.27	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	96.373%
Water Content	Karl Fischer	0.1811%
Assay		96.2%
Uncertainty		±2.0%

Comment:

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

$Assay (\%) = (100\% - Water\ Content) * Purity\ GC (\%) / 100\%$

Water Content 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:

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Approved by General Manager:

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Date: May 19, 2021

Date: May 20, 2021

Date: May 20, 2021

