

Certificate of Analysis

Reference Material & Standard

Product Name:	4,4-Dimethyl-2-cyclohexen-1-one	Catalogue Number:	C1046929
Synonyms:	N/A	Lot Number:	0424-RG-0019
CAS Number:	1073-13-8	Expiry Date:	Apr 28, 2029
Molecular Formula:	C ₈ H ₁₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	124.18	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	97.2%
Assay	qNMR	92.3%
Uncertainty		±1.3%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
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

Approved by General Manager:

David

Date: Apr 29, 2025

Date: Apr 30, 2025

Date: Apr 30, 2025

