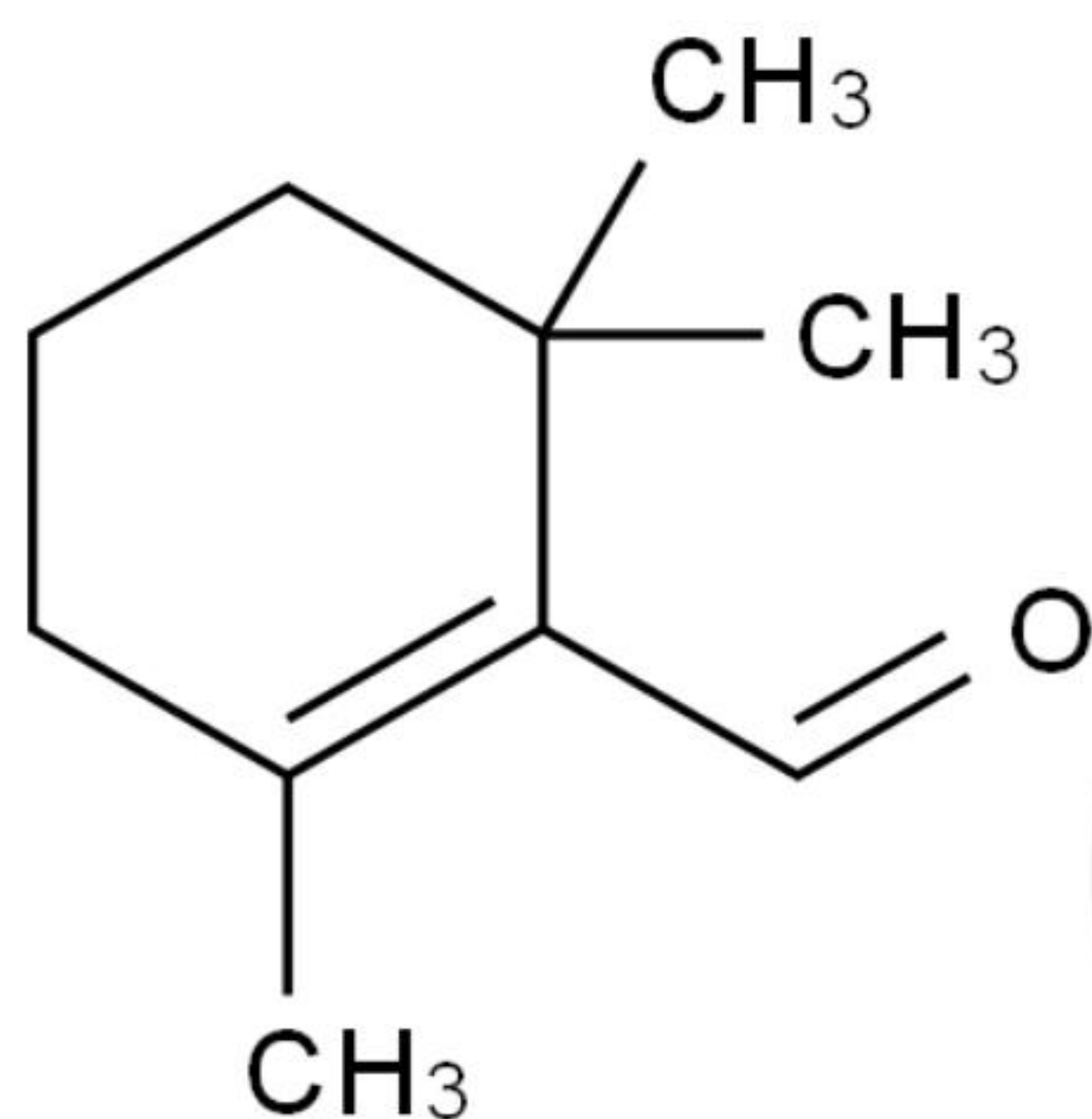


Certificate of Analysis

Reference Material & Standard

Product Name:	beta-Cyclocitral	Catalogue Number:	CCHM700938
Synonyms:	N/A	Lot Number:	0621-RC-0008
CAS Number:	432-25-7	Expiry Date:	Jul 26, 2025
Molecular Formula:	C ₁₀ H ₁₆ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	152.23	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS	Confirmed
Purity	GC	100.0%
Assay	qNMR	91.0%
Uncertainty		±2.0%

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:

Hin Lam

Reviewed by:

Debia

Approved by General Manager:

David

Date: Jul 27, 2021

Date: Jul 28, 2021

Date: Jul 28, 2021

