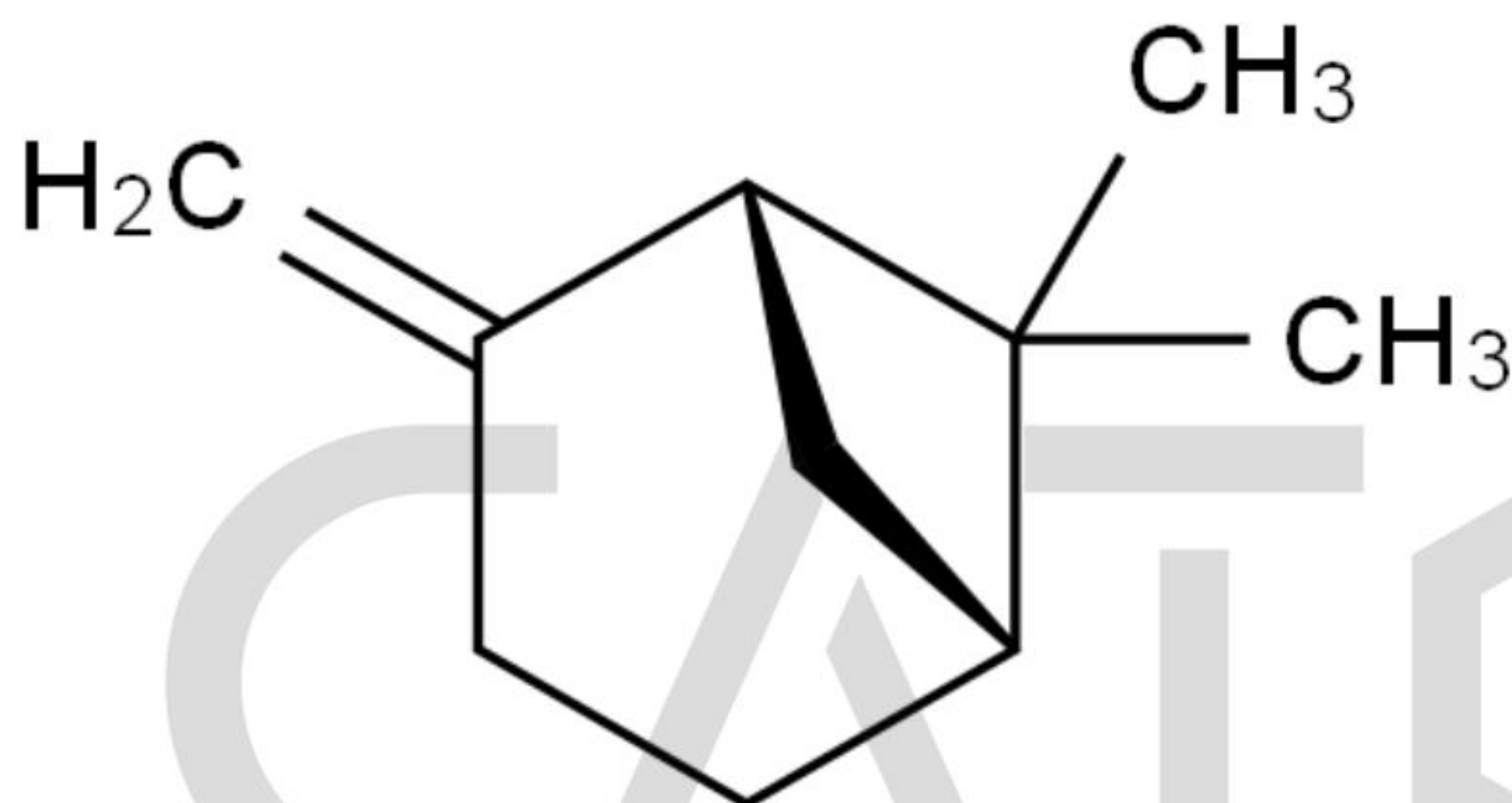


Certificate of Analysis

Reference Material & Standard

Product Name:	(+)-Beta-Pinene	Catalogue Number:	CCPE901585
Synonyms:	N/A	Lot Number:	1118-RG-0002
CAS Number:	19902-08-0	Expiry Date:	Apr 29, 2028
Molecular Formula:	C ₁₀ H ₁₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	136.23	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Clear Colourless Oil
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	GC	96.2%
Uncertainty		±0.8%

Comment:

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

Reviewed by:

Yuki-i

Approved by General Manager:

David

Date: Nov 26, 2025

Date: Nov 27, 2025

Date: Nov 27, 2025



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