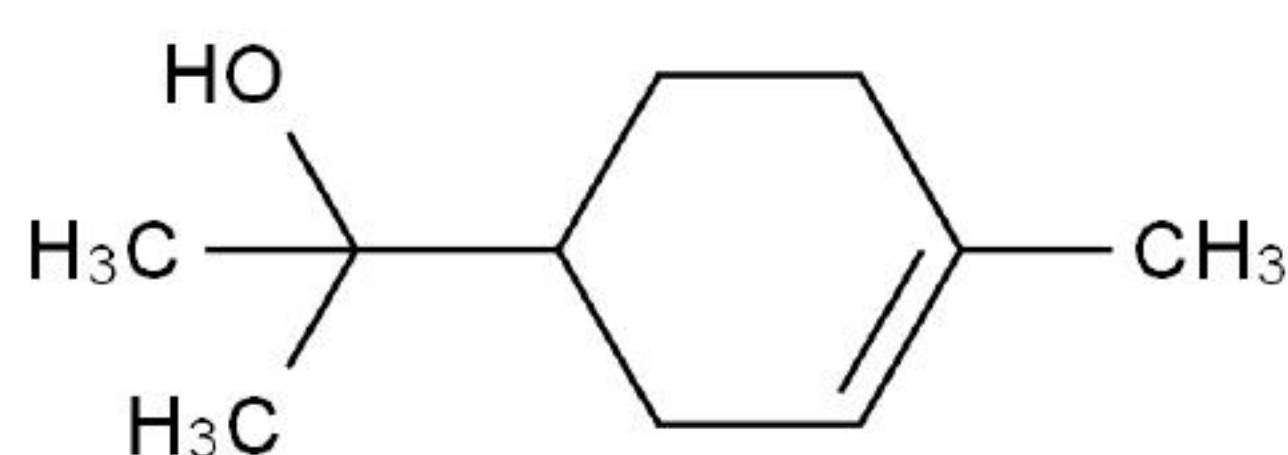


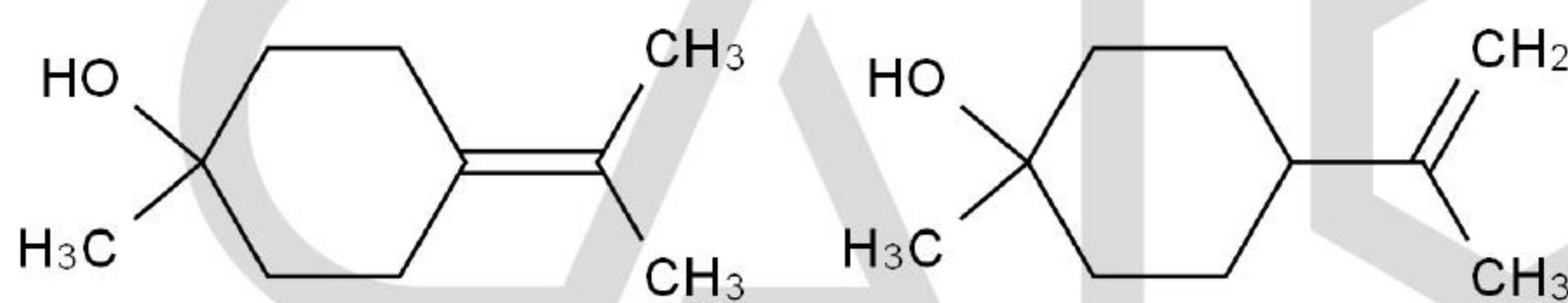
Certificate of Analysis

Reference Material & Standard

Product Name:	Terpineol, mixed isomers(Mixture of isomers)	Catalogue Number:	CCPE901646
Synonyms:	N/A	Lot Number:	0113-RD-0009
CAS Number:	8000-41-7	Expiry Date:	Jan 23, 2026
Molecular Formula:	C ₁₀ H ₁₈ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	154.25	Shipping Condition:	Shipping at Room Temperature



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS	Confirmed
Purity	GC	89.806%
Water Content	Karl Fischer	0.2495%
Assay		89.6%
Uncertainty		±2.0%

Comment:

- Mixture of isomers.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

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

Water Content is considered as absolute effect, GC purity is considered as relative effect.
- 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:

Debia

Reviewed by:

Xenia

Approved by General Manager:

David

Date: Jan 24, 2022

Date: Jan 24, 2022

Date: Jan 24, 2022



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

