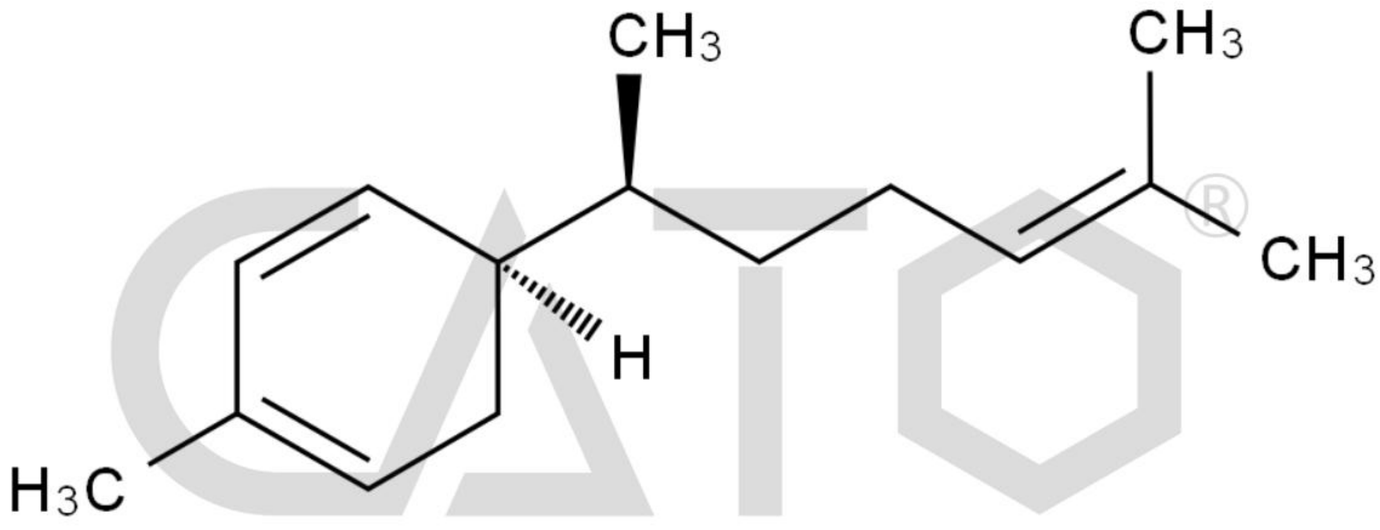
Certificate of Analysis

Reference Material & Standard

Product Name:	α-Zingiberene	**Catalogue Number:**	CCPE902099
Synonyms:	N/A	**Lot Number:**	1029-RH-0128
CAS Number:	495-60-3	**Expiry Date:**	Sep 14, 2027
Molecular Formula:	$C_{15}H_{24}$	**Storage:**	-80°C±5°C Protected from light and Sealed
Molecular Weight:	204.35	**Shipping Condition:**	Shipping with Dry Ice
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Clear Pale Yellow Oil
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.3%
Uncertainty		±0.1%

CATO Research Chemicals Inc.

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 Date: Nov 09, 2026

Reviewed by: Hinlam Date: Nov 09, 2026

Approved by General Manager: David Date: Nov 09, 2026

CATO Research Chemicals Inc.