

CERTIFICATE OF ANALYSIS

1. Identification

<u>Catalogue Number</u>	<u>Lot Number</u>	<u>Structure</u>
P294560	5-SUB-54-4	
<u>Product Name</u>	b-Phellandrene (stabilized with 0.1% Hydroquinone)	
<u>Synonyms</u>	3-Methylene-6-(1-methylethyl)cyclohexene; p-Menta-1(7),2-diene; (-)-Phellandrene; 3-Isopropyl-6-methylene-1-cyclohexene; 4-Isopropyl-1-methylene-2-cyclohexene; NSC 53044; beta-Phellandrene	
<u>CAS Number</u>	<u>Solubility</u>	<u>Shipping Condition</u>
555-10-2	Chloroform (Sparingly), Ethyl Acetate (Slightly)	This Product Is Stable To Be Shipped At Room Temperature
<u>Molecular Formula</u>	<u>Source of Product</u>	<u>Long Term Storage Conditions</u>
C ₁₀ H ₁₆	Synthetic	4°C, Inert atmosphere, Light sensitive
<u>Molecular Weight</u>	<u>Purity</u>	
136.24	>95%	

2. Warnings

Light Sensitive

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	100.00% (240 nm)
MS	Conforms to Structure	Conforms

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed.

The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			2/6/2025	2/4/2029

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