

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

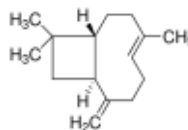
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
β-Caryophyllene - ≥80%, FCC, FG

Product Number: **W225207**
 CAS Number: 87-44-5
 MDL: MFCD00075925
 Formula: C₁₅H₂₄
 Formula Weight: 204.36 g/mol



TEST	Specification
Appearance (Color)	Colorless to Pale Yellow
Appearance (Form)	Liquid
Refractive index at 20 ° C	1.498 - 1.504
Infrared spectrum	Conforms to Structure
GC (% Major 1) beta-caryophyllene	≥ 80.0 %
GC (% Minor 1) sum of C ₁₅ H ₂₄ terpene hydrocarbons	≤ 19.0 %
Total Purity (sum of major and minor components)	≥ 95.0 %
Optical Rotation c = Neat (angular rotation)	-10.0 - -5.0 deg
Assay Total Phenols	≤ 3.0 %
Specific Gravity at 25 Degrees Celsius	0.897 - 0.910
Solubility (Turbidity)	Clear
Solubility (Color) 1 mL/6 mL Ethanol	Colorless to Very Faint Yellow
Arsenic (As)	≤ 3 ppm
Cadmium (Cd)	≤ 1 ppm
Mercury (Hg)	≤ 1 ppm
Lead (Pb)	≤ 10 ppm
Expiration Date Period 5 Years	-----

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

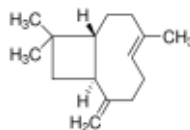
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Specification: PRD.2.ZQ5.10000015117

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