

SPECIFICATION SHEET

Beta-Caryophyllene 99%

GENERAL INFORMATION

Botanical Species	Eugenia caryophyllata / Piper nigrum	Part Used	Bud / Fruit
Country of Origin	China	Carrier Used	None
Solvent Used	None (isolated sesquiterpene)	Kosher Halal	No No

ITEM	SPECIFICATION		METHOD
PHYSICAL & CHEMICAL			
Identification	Corresponds to Reference Standard		GC / HPLC
Appearance	Bright white crystalline powder		Organoleptic
Odor	Sweet, woody, spicy		Organoleptic
Beta-Caryophyllene	NLT (%)	99.0	GC / HPLC
Melting Point	60 – 63 °C		USP<741>
Flash Point	NLT 93 °C		Closed cup
Heavy Metals (as Pb)	NMT (ppm)	10	AAS / ICP-MS
CONTAMINANTS			
Lead (Pb)	NMT (ppm)	1.0	ICP-MS USP<730>
Arsenic (As)	NMT (ppm)	1.0	ICP-MS USP<730>
Cadmium (Cd)	NMT (ppm)	1.0	ICP-MS USP<730>
Mercury (Hg)	NMT (ppm)	0.1	ICP-MS USP<730>
Solvent Residue	Meets Requirements		GC USP<467>
Pesticide Residue	Meets Requirements		USP<561> Modified
MICROBIOLOGICAL			
Total Plate Count	NMT (cfu/g)	1,000	USP<61>
Yeast & Mold	NMT (cfu/g)	100	USP<61>
E. Coli	Absent (cfu/10g)		USP<62>
Salmonella	Absent (cfu/10g)		USP<62>
Staphylococcus aureus	Absent (cfu/10g)		USP<62>

PACKING & STORAGE

Packed in a sealed container, protected from light.
 Store in a well-closed container away from moisture, light, and heat.

SHELF LIFE

24 months if under the conditions above and in its original packaging.

NOTE

Supplied as a crystalline powder grade of beta-caryophyllene (not the typical liquid oil). This is a natural-product isolate; related-sesquiterpene variance may occur.