

Product Specification

Isobionics® Natural beta-Caryophyllene 80

Product code	BC80 / 30833159
Chemical name	beta-Caryophyllene
Synonym	(1 <i>R</i> ,4 <i>E</i> ,9 <i>S</i>)-4,11,11-trimethyl-8-methylidenebicyclo[7.2.0]undec-4-ene
CAS No.	87-44-5 ; (E)-beta-Caryophyllene: 10579-93-8
Molecular formula	C ₁₅ H ₂₄
Molecular weight	204,36

Test	Description	Specifications
Odour	According to reference	Slightly green, parsley, blackpepper, grapefruit and sage
Appearance	Visual	Clear, yellow and red to brown shades
Colour	Gardner Scale	≤ 2
Nootkatone	GC Assay (area%) ¹	> 80
n-Dodecane	GC Assay (area%) ¹	< 100 ppm
Density	g/ml at 20 °C	0,89 - 0,91
Refractive index	at 20 °C	1,498 - 1,504

1. Internal GC Method: AM-QA-001 – BC80.

Grade	Natural US and EU	YES
	ISO 9235	YES
Legislation	EINECS	201-746-1
	FEMA	2252
	EU flavour no.	01.007
	China	S0651 (referring to FEMA 2252)
Certification	Kosher	YES
	Halal	YES
Use	In flavours.	
Solubility	Soluble in essential oils, ethanol, triacetin. Insoluble in water	
Packing	Aluminium bottle.	
Storage	Store under nitrogen in a cool (10-15 °C), dark and dry place.	
Shelf life	36 months (stored in unopened original container).	

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