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Product Specifications

PhytoSquene® [olive oil-derived Squalene]

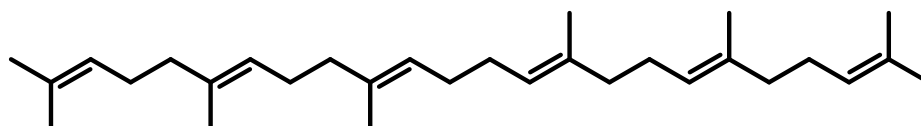
CAS 111-02-4

EINECS 203-826-1

Syn: (all-E)-2,6,10,15,19,23-Hexamethyl-2,6,10,14,18,22-tetraco-sahexaene

Grade: Non-cGMP

Structure:



Mol. Formula
Source

$C_{30}H_{50}$
Olive oil

Mol. Wt.

410.7

<i>Test</i>	<i>Specification</i>
Identity	IR, GC/MS
Appearance	Clear, colorless liquid (oil)
APHA	< 30
Acid Value	< 0.5 mg KOH/Kg
Peroxide Value	≤ 10 meq/Kg
Iodine value	360 – 380 g/100 g
Assay (glpc)	
Squalene	> 93% (relative)
$d_{20}^{\circ C}$	0.859 g/mL
Water (K-F)	< 0.1%
Heavy metals	< 10 ppm
Saponification value	< 8 mg/g
RI, $\eta_D^{20}^{\circ C}$	1.490 - 1.498

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Test	Specification
Residual Solvents	EP 6.0:5.4, (CPMP/ICH/238)95
Pesticides Residue	Pesticides
Total DDT	< 1 ppm
Organophosphorus	0.05 mg/Kg
Others	USP/EP
Dioxin and PCBs	6153 pg/g
Microbiological Specification	
Total Aerobic (CFU/g) (USP25)	≤ 50 CFU/ml
Mold and Yeast (CFU/g) (USP25)	≤ 50 CFU/ml

Storage: PhytoSquene® is light- and air-sensitive and should be handled accordingly. Containment under nitrogen and at or below 8°C is recommended.

Shelf-life: Two years in original, unopened container, when stored as recommended.

Non-GMO: This product is derived from a non-GMO vegetal source as designated under EP regulations 1829/2003 and 1830/2003.

TSE/BSE: The source of this product is pure olive oil. During production, storage and transport, all contact with any material of animal origin was excluded. Therefore, the requirements set forth in *Ph. Eur.* 5.2.8 do not apply.