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## Product Specifications

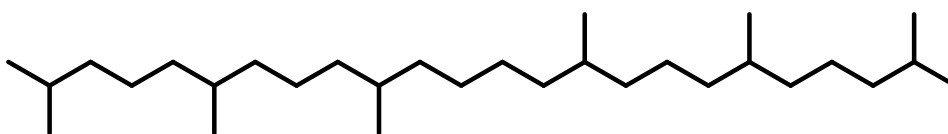
### **Squalane [olive oil-derived] [USP, EP]**

**CAS** 111-01-3

**EINECS** 203-825-6

**Syn:** 2,6,10,15,19,23-Hexamethyltetracosane; Cosbiol; Perhydrosqualene; Robane

**Structure:**



**Mol. Formula**  
**Source**

**C<sub>30</sub>H<sub>62</sub>**  
*Olive oil*

**Mol. Wt.**

422.81

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#### *Test*

#### *Specification*

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**Identity** (USP <197F>)

IR, GC, RI

**Appearance**

Clear, colorless, odorless oily liquid

**Solubility**

Insoluble in water and alcohol, miscible with most fats and oils, freely soluble in Acetone and in Cyclohexane.

**Analysis** (glpc)

**Purity** (USP/NF, area %)

> 97% || WTI offers 2 grades: > 98%; > 99%

**Assay** (EP <2.2.28>, wt%)

96-103%

**Saponification value** (USP <401>)

≤ 2 mg KOH/g

**Saponification value** (EP <2.5.4>)

≤ 3 mg KOH/g

**Acid value** (USP <401>) (EP <2.5.1>)

≤ 0.2 mg KOH/Kg

**Iodine value** (USP <401>) (EP <2.5.4>)

4 g/100 g

**Ni** (EP <2.4.27>)

< 1 ppm

**Total ash** (USP <281>) (EP <2.4.16>)

< 0.5%

**RI,  $\eta_D^{20\text{ }^\circ\text{C}}$**  (USP <831>)

1.4510 - 1.4525

**RI,  $\eta_D^{20\text{ }^\circ\text{C}}$**  (EP <2.2.6>)

1.450-1.454

**$d_{20\text{ }^\circ\text{C}}$**  (USP <841>)

0.807-0.810 g/mL

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>
<b>Residual Solvents</b>	Meets USP <467> requirements
<b>Pesticides Residue</b>	Available upon request
<b>Dioxin and PCBs</b>	< 6153 pg/g
<b><i>Microbiological Specification</i></b>	
Standard Plate Content	≤ 100 CFU/ml
Mold and Yeast	≤ 100 CFU/ml

**Storage:** Containment under nitrogen and at or below 20°C is 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 of the EP Comm. Directive 1999/82/EEC, CPMP/BWP/1230/98, and EP 01/2008: 50208 do not apply.