

Products specifications

Product : Argan oil virgin

Synonyms : Oil from Almond of Argania spinosa

Parameters	
Solubility	Insoluble in water, slightly soluble in ethanol 90°, soluble in chloroform and hexane
Acidity as %oleic acid	0.2 – 1,0
Peroxides value	0 – 5,0
Saponification Index	180-199
% unsaponifiable	0.5 - 0.9
Fatty acid	
-myristic acid (C 14 : 0)	≤ 0, 15
- pentadecanoic acid (C 15 : 0)	≤ 0,05
- palmitic acid (C 16 : 0)	12,0-13,0
- palmitoleic acid (C 16 : 1)	≤ 0,12
- heptadecanoic acide (C 17 : 0)	≤ 0,10
- stearic acid (C 18 : 0)	5,0-7,0
- oleic acid (C 18 : 1)	43,0 - 49,1
- linoleic acid (C 18 : 2)	29,3 - 36,0
- linolenic acid (C 18 : 3)	≤ 0,1
- arachidic acid (C 20 : 0)	0,3-0,5
- gadoleic acid (C 20 : 1)	0,4- 0,5
- behenic acid (C 22 : 0)	≤ 0,2
Composition of sterols (exp in % of total sterols)	
- Schottenol	44,0 - 49,0 %
- Spinasterol	34,0 - 44,0 %
- Δ- 7 - avenastérol	4,0 - 7,0 %
- Stigmasta-8,22-dièn-3β-ol	3,2 - 5,7 %
- Campesterol	≤ 0,4 %
- Cholesterol	≤ 0,4 %
Total Sterols	130-230 mg/100 g

<p>Composition of tocopherols (exp on % à total tocopherols)</p> <ul style="list-style-type: none"> - Alpha-tocopherol (vitamine E) - Béta-tocopherol - Gamma-tocopherol - Delta-tocopherol <p>total tocopherols</p>	<p>4,0 – 9,0 %</p> <p>0,1 - 0,3 %</p> <p>80,0 - 91,0 %</p> <p>5,0 - 10,2 %</p> <p>60 - 90 mg/100 g</p>
<p>triterpenic alcohols</p> <p>Triterpenic alcohols : Mainly tirucallol, β-amyrine, butyrospermol and lupeol</p>	<p>1300-1800 mg/Kg</p>

Saturate fatty acids : 17-22

Monosaturate fatty acid : 40-48

Polysaturates fatty acids : 30-38 (Essential fatty acids : omega 6)

- **stigmasta-3,5-diène** < **0,05 ppm**
- **Benzo-a-pyrène** < **0,15 ppb**