

PRODUCT DATA SHEET

Argania Spinosa Kernel Oil [Argan Oil] (natural) (pure)

Cat. No.: IAX-700-001

Date: 24-October-2017



NAME:	Argan Oil, from unroasted Argania spinosa kernels. Country of Origin: Morocco.
SOURCE:	Cold pressed from kernels of the fruit of the argan tree (Argania spinosa).
CAS:	223747-87-3.
FORMULATION:	Natural product, unrefined.
PURITY:	100%.
APPEARANCE:	Clear yellow odourless liquid.
SOLUBILITY:	Soluble in ethanol, hexane or ether.
HANDLING/USE:	Topical application. Food supplement. Solvent aid for lipophilic compounds.
COMPOSITION:	90% fat, of which saturates are less than 20% (stearic acid (~5%) and palmitic acid (~15%)), mono-unsaturates (MUFA): ~40% and polyunsaturates (PUFA): ~30%.
SHIPPING:	Ambient.
STORAGE:	Keep in tightly closed container. Store at room temperature (below 25°C) and in a dry place. Protect from light. Do not freeze or refrigerate. Keep container tightly closed.
STABILITY:	1 year after receipt as supplied.

General Information:

Argan oil is pressed from the kernels of the fruits from the argan tree (*Argania spinosa* (L.) Skeels; Sapotaceae) that is endemic to southwest Morocco. Cold pressed argan oil is characterized by high levels of linoleic and oleic acids, tocopherols (in particular γ -tocopherol). Minor components of argan oil include polyphenols, squalene, carotenes, triterpene alcohols and sterols (spinasterol, schottenol).

Pre-clinical and clinical studies report hypolipidemic, hypocholesterolemic, hypoglycemic and antihypertensive effects of nutritional use of argan oil in addition to its well-documented anti-oxidant and moisturizing effects used for external cosmetic applications.

Used as food supplement and solvent aid for lipophilic compounds.

References:

- [1] *Bioactive compounds and nutritional significance of virgin argan oil--an edible oil with potential as a functional food.* Cabrera-Vique C et al. *Nutr. Rev.* (2012); 70:266
- [2] *Argan oil: Occurrence, composition and impact on human health.* Charrouf Z and Guillaume D *Eur. J. Lipid Sci. Technol.* (2008); 110:632 REVIEW
- [3] *Phenolic-extract from argan oil (Argania spinosa L.) inhibits human low-density lipoprotein (LDL) oxidation and enhances cholesterol efflux from human THP-1 macrophages.* Berrougui H et al. *Atherosclerosis* (2006); 184:389
- [4] *Evidence of hypolipemiant and antioxidant properties of argan oil derived from the argan tree (Argania spinosa).* Drissi A et al. *Clin. Nutr.* (2004); 23:1159
- [5] *Nutritional intervention study with argan oil in man: effects on lipids and apolipoproteins.* Derouiche A et al. *Ann. Nutr. Metab.* (2005); 49:96
- [6] *Argan (Argania spinosa) oil lowers blood pressure and improves endothelial dysfunction in spontaneously hypertensive rats.* Berrougui H et al. *Br. J. Nutr.* (2004); 92: 921
- [7] *The nutritional benefits of argan oil in obesity risk prevention.* Adlouni A et al. *Atheroscler S.* (2008); 9:137
- [8] *Consumption of argan oil may have an antiatherogenic effect by improving paraoxonase activities and antioxidant status: intervention study in healthy men.* Cherki M et al. *Nutr. Metab. Cardiovasc. Dis.* (2005); 15:352
- [9] *Physicochemical characteristics, nutritional properties, and health benefits of argan oil: a review.* El Abbassi A et al. *Crit. Rev. Food Sci. Nutr.* (2014); 54:1401
- [10] *Therapeutic potential of argan oil: a review.* Monfalouti HE et al. *J. Pharm. Pharmacol.* (2010); 62:1669
- [11] *Argan oil: which benefits on cardiovascular diseases?* Cherki M et al. *Pharmacol. Res.* (2006); 54:1
- [12] *Gamma-tocopherol, the new vitamin E?* Devaraj S and Traber MG *Am. J. Clin. Nutr.* (2003); 77:53
- [13] *The effect of dietary and/or cosmetic argan oil on postmenopausal skin elasticity.* Boucetta KQ et al. *Clin. Interv. Aging.* (2015); 10:339

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