

# BOTANICAL INNOVATIONS

## NUTRACEUTICAL

*Flavours, Fragrances & Ingredients  
for Health and Wellness*



## DATA SHEET: Argan Oil Powder

Botanical Innovations Microencapsulated Argan Oil Powder is a highly attractive ingredient for developing high-quality, effective, and stable products in both the nutraceutical and cosmetic/beauty sectors.

**Botanical Name:** *Argania spinosa*

**Family:** Sapotaceae

**CAS Number:** 84604-55-4

**INCI Name:** *Argania Spinosa Kernel Oil*

**Oil Composition and Fatty Acid Profile:** Argan oil is prized for its balanced composition of fatty acids and bioactive compounds. Fatty Acid Composition Oleic Acid (C18:1) which provides emollient properties and contributes to skin barrier repair, Linoleic Acid (C18:2) An essential fatty acid that supports skin health and anti-inflammatory effects. Palmitic Acid (C16:0): and Stearic Acid (C18:0): The oil also contains micronutrients such as: Tocopherols (Vitamin E), Phytosterols, Squalene and Polyphenols.

### **Applications for Botanical Innovations Microencapsulated Argan Oil Powder**

Our proprietary microencapsulation is a technology that encases the oil in a protective matrix, offering several formulation advantages. When converted into a powder, argan oil can be more easily incorporated into various products.

#### **Nutraceutical Applications**

**Enhanced Stability:** Microencapsulation protects the sensitive bioactive components (e.g., unsaturated fatty acids, tocopherols) from oxidation during processing and storage.

**Improved Bioavailability:** The encapsulated form can be designed for controlled release in the gastrointestinal tract, aiding in the efficient delivery of nutrients.

**Versatility:** Easily incorporated into beverages, bars, or powdered supplement formulations without adversely affecting taste or texture.

#### **Cosmetic and Beauty Applications**

##### **Topical Formulations:**

**Moisturizers, Creams, and Lotions:** Microencapsulated argan oil can be added to skincare products to provide deep moisturization, help restore the skin barrier, and deliver antioxidants.

**Anti-Aging and Repair Products:** The oil's rich content of essential fatty acids and vitamin E helps protect the skin from environmental stressors and supports regeneration.

**Hair Care Products:** Can be included in shampoos, conditioners, and serums to nourish the hair shaft, reduce frizz, and improve overall hair health.

##### **Advantages of Microencapsulation in Cosmetics:**

**Protection of Actives:** Shields the oil from premature oxidation, ensuring long-term stability and efficacy.

**Controlled Release:** Allows for a sustained release of the active ingredients, improving performance over time.

**Enhanced Formulation Flexibility:** The powder form is easier to blend into water-based and oil-based formulations, facilitating the development of innovative textures and product types.

The information provided is for educational purposes only.

Minimum order quantities apply.

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