

Commercial Name	Organic desert date oil / Huile de dattier du désert biologique
INCI name	Balanites roxburghii seed oil



Family: Balanitaceae

Renewable botanical origin: nucleus almond

Geographic origin: Intertropical Africa (Burkina Faso)

Color: pale to deep yellow

Form: liquid

Odor: characteristic

Certification: Cosmos Organic

Identity card



Specification

- **EXTRACTION:** almonds are harvested, washed, manually sorted by a union of women's groups in Burkina Faso.
- The oil is obtained by almonds cold-pressing.

Composition	Q ^T (%)
Linoleic acid (omega 6)	39
Oleic acid (oméga 9)	29
Palmitic acid	12,8
Unsaponifiable content	0,3-0,4

Specifications	Values
Refractive index	1,46 -1,47
Relative density	0,91 - 0,94
Acide index (mg KOH/g)	< 12
Peroxide value (meqO ₂ /Kg)	< 15
Saponification number	171-175
Dose suggested	0,5-100%
Shelf Life	18 months
Reach status	Natural product
Preserving agent	None

Properties and applications

- Desert Date Oil naturally contains a high rate of essential fatty acids associated with unsaponifiables which confers antioxidant, regenerating and repairing properties with regard to the skin and hair.
- Desert Date Oil provides great benefits in term of moisturizing and emollient properties especially indicated for dry skin and hair
- Desert Date oil provides an unique dry touch and quick penetration
- Desert Date seeds are rich in saponins that confer fungicidal and anti-inflammatory properties.
- In vivo surveys have demonstrated oil non-toxicity.

Tolerance

- Test: skin irritation (Patch test) at 20 %
 - Result: non-irritant
- Test: eye irritation testing (HET-CAM Test) at 20 %
 - Result: slight irritant
- Test: sensitization (HRIPT Test) at 20 %
 - Result: non-irritant

- Obidah W. et al *Journal of American Science* **2009**; 5: 13-16
- Ashaal H A Al et al *Journal of Ethnopharmacology* **2010**; 127:495-501
- Chapagain B. et al *Phytochemical Analysis* **2007**; 18:354-362

