



Moringa oil technical sheet

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Ref : FT.PRD.04.B

Date 17.01.2011

Process : cold pressure

Pressed part of the plant: seeds

Botanical name : *Moringa oleifera*

Vernacular name : Nebedaye (wolof) ; Ben's oil

Quality : 100% pure and natural, without any chemical treatment; available with European organic certificate



Oxidative potential: little sensitive; very stable oil (80 hours at 100°C)

Country of origin: Senegal

Farming: wild

Organoleptic properties:

- **Appearance** : Liquid at room temperature
- **Color** : Golden yellow translucent
- **Odor** : Odorless
- **Taste** : Characteristic

Physical and chemical characteristics:

- **Density** : 0.908 at 20°C
- **Viscosity**: 92.6 cP at 20°C
- **Acid value** : ND
- **Iodine value** : 66.4 g/100g
- **Peroxide value** : ND
- **Unsaponifiables** : ND

Storage conditions: Stable vegetable oil. To store in a dry place, away from heat and light.



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Fatty acids composition

- Palmitic C16: 6.2%
- Palmitoleic acid C16: 1.4%
- Stearic acid C18: 5.7%
- Oleic acid C18: 70%
- Linoleic acid C18: 2 w6: 0.8%
- Linolenic acid C18: 3 w3: 0.1%
- Arachidic acid C20: 3.9%
- Gadoleic acid C20: 2.1%
- Behenic acid: 7.7%

Properties and uses:

- **Use in cosmetic:** Moringa oil or Ben's oil soothes and softens the skin. It hydrates and revitalizes skin chronically very dry, sometimes experiencing itching or peeling. It is used to fight against wrinkles and aging, for hair care. It is also appreciated in perfumery for its ability to absorb and retain odors.
- **Food use:** Ben's oil is a powerhouse nutrient. Small amounts, added to young children's diet, can bring significant input of nutrients in their diet and make it more diverse. It is used for frying and seasoning because it does not go rancid.
- **Other uses:** It is highly sought as a lubricant (for the manufacturing of watches and for oiling machines) and fuel (lamps oil). It is also antiseptic and anti-inflammatory.

Values presented in this technical sheet are given as information, real values will be provided in the analysis reports. The available information is based on the state of our knowledge relative to the concerned product, at the date of writing (ND = not determined).