

Aloe Vera Oil Gel C1XW



Aloe Vera continues to be widely used in the cosmetic and personal care industries as a result of the multitude of health benefits associated with the plant.

Therapeutic properties of Aloe include;

- accelerated wound healing (external burns, cuts and scrapes) via increased collagen production,
- anti-inflammatory activity,
- antiseptic, anti-microbial action,
- moisturizing and soothing effects on dry skin.

Such properties are a direct result of Aloe Vera phytochemicals which are concentrated within the plant leaf. Aloe leaf extracts continue to be used by cosmetic and personal care formulators as a nature-based ingredient.

Aloe Vera Oil Gel C1XW is one of the first Aloe Vera gels which can be quantified in a vegetable oil and supported by high resolution nuclear magnetic resonance (NMR) data and is synthesized using powder from the whole leaf of the Aloe Barbadensis Miller.

Description:

Aloe Vera Oil Gel C1XW is an Aloe Vera gel that is present in a highly stable and high quality non-transgenic Canola oil that is high in oleic and low in linolenic acid. The product is a clear oil consisting of a gel-like structure with outstanding thermostability and a high concentration of Vitamin E. **Aloe Vera Oil Gel C1XW** is produced through proprietary technology and uses the highest standard of *International Aloe Science Council* certified Aloe Vera concentrate. The product contains Aloe powder made from the whole leaf of the Aloe Barbadensis Miller plant at 0.5% solid concentrate by weight. Thus, **Aloe Vera Oil Gel C1XW** allows a higher concentration of Aloe Vera extract to be incorporated into cosmetic and personal care formulations.

Functionality:

Aloe Vera Oil Gel C1XW is an ideal ingredient in cosmetic formulations as it can be used as a skin conditioner, emollient, film former, viscosity controlling agent and a viscosity building agent for anhydrous systems.

Applications:

Aloe Vera Oil Gel C1XW can be used in a wide array of applications such as, lip balm, lipstick, lip gloss, pomades, bath gel, anhydrous liquid sunscreen gel, body and hand cream/lotion, moisturizing creams, shampoos and suntan products.

INCI Name: Canola Oil (and) Aloe Barbadensis Leaf Juice (and) Tocopherol

Specifications:

Appearance:	Clear gel
Odour:	Light, characteristic
Bacteriological Data:	Total bacteria count (aerobic): <100 cfu/g (At the time of packaging)
Solubility:	Soluble in all vegetable oils, glycerol tri-isostearate, isosterarly isostearate, oleic acid, isosteraic acid, coco-caprylate/caprata and mixed glycerides. Insoluble in silicone oil, ethanol and 1,2 propanadiol; partially soluble in water
pH (1:20 water emulsion)	4.6 - 6.6
Gardner Colour (1:10 in mixed glycerides):	Maximum 3
Stability:	Stable at room temperature. Keep away from heat and light. Store in original container under 25°C. Do not freeze.
Recommended Usage Level:	Normal: 1% to 10%(wt/wt) Others: 1% to 99% (wt/wt)
Formulating pH:	The recommended pH range is 3 to 8.
Formulating Temperature:	The recommended working temperature range is 25°C to 90°C.

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