

# Aloe Vera Oil Gel C10XW



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 natural-based ingredient.

**Aloe Vera Oil Gel C10XW** 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 the powder form of the whole leaf of the Aloe Barbadensis Miller.

## **Description:**

**Aloe Vera Oil Gel C10XW** is a new 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 gel-like structure with outstanding thermostability and a high concentration of Vitamin E.

**Aloe Vera Oil Gel C10XW** 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 5% solid concentrate by weight and is 10 times the regular strength as compared to Aloe Vera Oil Gel C1XW. Therefore, **Aloe Vera Oil Gel C10XW** allows a higher concentration of Aloe Vera extract to be incorporated into cosmetic and personal care formulations.

## **Functionality:**

**Aloe Vera Oil Gel C10XW** 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 C10XW** 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

## **Specifications:**

<b>Appearance:</b>	Beige, opaque gel
<b>Odour:</b>	Very light, characteristic
<b>Bacteriological Data:</b>	Total bacteria count (aerobic): <500 cfu/g (At the time of packaging)
<b>Solubility:</b>	Soluble in all vegetable oils, glycerol tri-isoearate, isosterarly isosterate, oleic acid, isosteraic acid, coco-caprylate/caprata and mixed glycerides. Insoluble in silicone oil, ethanol and 1,2 propanadiol; partially soluble in water
<b>pH (1:20 water emulsion)</b>	4.0 - 6.0
<b>Gardner Colour (1:10 in mixed glycerides):</b>	Maximum 3
<b>Preservative:</b>	0.5% phenoxyethanol
<b>Stability:</b>	Stable at room temperature. Keep away from heat and light. Store in original container under 25°C. Do not freeze.
<b>Recommended Usage Level:</b>	Normal: 1% to 10%(wt/wt) Others: 1% to 99% (wt/wt)
<b>Formulating pH:</b>	The recommended pH range is 3 to 8.
<b>Formulating Temperature:</b>	The recommended working temperature range is 25°C to 90°C.

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