

Natunola[®] Mustard Betaglucan R25



Research continues to reveal countless beneficial effects of Betaglucan (β -glucan) as a skin care and cosmetic ingredient. β -glucan is reported to;

- induce immune functions to accelerate immune responses,
- promote cellular activity and cell growth,
- reduce the appearance of wrinkles and fine lines,
- acts as a skin moisturizer and skin softener.

Mustard Betaglucan R25 will allow you to incorporate such benefits into your formulations and deliver them to your customers. Isolated from mustard mucilage, **Mustard Betaglucan R25** is a natural water based polysaccharide that exhibits shear thinning flow behaviour and a weak gel-like structure. Our product coats the epidermis to act as a barrier against harsh environmental conditions, external pollutants and allergens.

Mustard Betaglucan R25 can be used the same way as any chemically engineered synthetic gum and can provide notable emulsifying capacity and superior suspension ability to cosmetic formulations.

Description:

Mustard Betaglucan R25 is isolated from mustard mucilage using our patented processing technology. This plant based polyglucan is opaque in appearance and has a fluid-like consistency. **Mustard Betaglucan R25** can interact synergistically with a number of polysaccharides such as locust bean, guar, xanthan, agar and carrageenan gums resulting in gel formation and increased viscosity. Such behaviour allows for the product to be used alone as a thickener or in conjunction with other gums which ultimately leads to new product concepts.

Functionality:

Mustard Betaglucan R25 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 aqueous systems.

Applications:

Mustard Betaglucan R25 forms a thin film when applied to the skin, thus it is an excellent moisturizing ingredient in lotions, liquid soap, sunscreen, self-tanning solutions, and creams. **Mustard Betaglucan R25** has been highly effective in cosmetic formulations for lotions, creams and anti-aging products.

INCI Name: Water (and) Brassica Alba (Mustard) Seed Extract

Specifications:

Appearance:	Opaque, beige to off-white liquid
Odour:	Light, pleasant
Bacteriological Data:	Total bacteria count (aerobic): <1000 cfu/g (At the time of packaging)
Preservatives:	DMDM Hydantoin (and) Iodopropynyl Butylcarbamate, 0.1%
Compatibility:	Miscible in aqueous solutions
pH:	5.0 - 6.5
Non-Volatile Matter:	2.0% to 3.0%
Stability:	Stable at room temperature. Keep away from heat and light. Store in original container under 20°C. Do not freeze.
Recommended Usage Level:	1% to 15% (wt/wt)
Formulating pH:	The recommended pH range is 3 to 8.
Formulating Temperature:	The recommended working temperature range is 25°C to 75°C. The best working temperature is 50°C.

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