

Natural Cold Emulsifier



Specifications

Function: cold emulsifier for O/W type emulsion .

Pickering emulsion is obtained using an organic-modified clay: Frametime®. The hybrid material forms a layer preventing the coalescence of oil droplets

Uses: suitable for lotion, serum-milk, make-up, creams, and all kind of emulsified product

INCI name: Bentonite & Xanthan Gum & Citric Acid & Sodium Stearoyl Glutamate

Cosmos, Ecocert standard availability

Available forms: superfine powder

Incorporation rate: 3-7%

Origin: natural

Color: beige

Odor: characteristic

pH: 6-8,5 (in water solution at 10% at 20°C)

Solubility: hydrodispersible / lipodispersible

No territorial restrictions known

Tolerance

- Test: skin irritation (Patch test) – 5,5%
Result: non-irritant
- Test: eye irritation testing (HET-CAM Test) – 5,5%
Result: no / slight irritant
- Test: eye irritation (method of release with neutral red on a monolayer of cornea fibroblasts) – 5,5%
Result: insignificant cytotoxicity (eye irritation potential)

Storage conditions

Keep container tightly closed in dry and well-ventilated place

Formulation:

How to use:

Step 1:

Add the powder phase to the oil phase and mix until completely dispersed (phase A)

Step 2:

Add the water phase to the phase A using a high-shear mixer until completely homogenised (the more the cream is homogeneous, the more the emulsion will be whiter)

Frametime CXG: Body Milk

PHASES	INGREDIENTS	%
Water phase	Water	QSP
Powder phase	Frametime CXG	3.5
Oil phase	Sunflower oil	20
Oil phase	Grape seed Oil	7
Oil phase	Castor Oil	3
Oil phase	Vitamin E	0.3
Water phase	Preservatives *	1,2
Water phase	Citric Acid (QSP pH 5.8 -6.2)	-
Water phase	Perfume	0.3

* Potassium sorbate	0.2 %
GEOGARD ULTRA (Gluconolactone & Sodium benzoate)	1 %

