



Natural Cold Emulsifier

Specifications

Function: cold emulsifier surfactant-free 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 face creams, hand cream, make-up and opaque shampoo – shower gels

INCI name: Bentonite & Xanthan Gum & Citric Acid

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) – 6%
Result: non-irritant
- Test: eye irritation testing (HET-CAM Test) – 6%
Result: no / slight irritant
- Test: sensitization (HRIPT Test) – 4%
Result: hypoallergenic

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 CX: Hand Cream

PHASES	INGREDIENTS	%
Water phase	Water	QSP
Powder phase	Frametime CX	5
Powder phase	Xanthan Gum	0.4
Oil phase	Sunflower oil	23
Oil phase	Shea Butter	5
Oil phase	Vitamin E	0.3
Water phase	Preservatives *	1,3
Powder phase	Citric Acid (QSP pH 5.5 - 6.0)	
Oil phase	Perfume	0.3

*	Potassium sorbate	0.3 %
	GEOGARD ULTRA (Gluconolactone & Sodium benzoate)	1 %

