

Ice Cream Emulsion with Les Délices

ED 0037 a

Awaken all five senses with these luxuriously emotive emulsions. Produced using ECO-SOUND extraction technology, each of **Les Délices** enhances the smooth emulsion with a unique and unusual blend of two traditional plants. Created using **Volarest™ FL**, this novel ice cream texture chassis provides the optimum rheology to deliver the skin cooling properties of the oil phase. **Délice Détox** delivers radiance and energy with lime and green tea, **Délice Epicé** tones and firms with date and cinnamon, **Délice Extrême** cocoons and delivers well-being with pecan nut and maple syrup and **Délice Fraîcheur** delivers purity and balance with mango and basil.

Ingredient/INCI Name	Functionality	% w/w	%w/w	%w/w	%w/w
		Délice Détox (A)	Délice Epicé (B)	Délice Extrême (C)	Délice Fraîcheur (D)
Part A					
Deionised Water (Aqua)	Q.S.	To 100	To 100	To 100	To 100
OptaSense™ G40 (Carbomer -2% solution) ¹	Rheology modifier	5.00	5.00	5.00	5.00
Arlacel™ LC (Sorbitan Stearate (and) Sorbityl Laurate) ¹	O/W emulsifier	3.00	3.00	3.00	3.00
Volarest FL (Acrylates/ Beheneth-25 Methacrylate Copolymer) ¹	Rheology modifier	2.00	2.00	2.00	2.00
Part B					
Crodamol™ ML (Myristyl Lactate) ¹	Melts on application to the skin, imparting a velvety texture	5.00	5.00	5.00	5.00
Crodamol MM (Myristyl Myristate) ¹	Enhances emulsion texture & stability	5.00	5.00	5.00	5.00
Crodamol W (Stearyl Heptanoate (and) Stearyl Caprylate) ¹	Light emollient that melts on skin contact	5.00	5.00	5.00	5.00
Part C					
Sodium Hydroxide (10% Solution)	pH Adjuster	0.61	0.61	0.61	0.61
Part D					
Euxyl PE 9010 (Phenoxyethanol (and) Ethylhexylglycerin) ³	Preservative	0.50	0.50	0.50	0.50
Délice Détox (Water (Aqua), Glycerin, Citrus Aurantifolia (Lime) Fruit Extract, Camellia Sinensis Leaf Extract) ²	Detoxifying & energising sensory emotive	1.00	--	--	--
Délice Epicé (Water (Aqua), Glycerin, Phoenix Dactylifera (Date) Fruit Extract, Cinnamomum Zeylanicum Bark Extract) ²	Toning & firming sensory emotive	--	1.00	--	--
Délice Extrême (Water (Aqua), Glycerin, Carya Illinoensis (Pecan) Seed Extract, Acer Saccharum (Sugar maple) Extract) ²	Well-being sensory emotive	--	--	1.00	--
Délice Fraîcheur (Water (Aqua), Glycerin, Mangifera Indica (Mango) Fruit Extract, Ocimum Basilicum (Basil) Leaf Extract) ²	Purity & balance sensory emotive	--	--	--	1.00

Suppliers: **1: Croda 2: Crodarom 3: Schülke Inc.**

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Page 1 of 2

Procedure:

Disperse the carbomer solution in water and heat to 75°C. At ~75°C, add **Arlacel LC** and **Volarest FL** and continue mixing until homogenous. Separately, combine Part B and heat to ~ 80°C. Once Part A has been at 80°C for 30 minutes remove from heat and add Part B to Part A while homogenising. Homogenise for 1-3 minutes at high speed and put on side sweep to cool to 40°C. Once below 40°C, add Part C and Part D one at a time. Check that the pH is 6.5-7.5.

Appearance: Thick white cream; pH 6.10± 0.5; Viscosity: 120,000±10% cPs (Spindle T-D 0.5rpm/Brookfield DVI+ Viscometer)

Stability: 3 months at RT, 40°C, 45°C and 1 month at 50°C and 5x - 24 hour freeze-thaw cycle

Reference: SHSS101

Euxyl is a registered trademark of Schülke & Mayr GmbH

This formulation was developed in North America. Contact your local sales representative with enquiries as ingredient availability can vary by region.

Non-warranty

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12/16PCNDF1604v1EN
Page 2 of 2