



Alfrink Cosmetic Ingredients

Product sheet

Emu oil

Specifications

INCI NAME: Dromiceius Oil

COMMERCIAL NAME: Emu oil

CAS no: 158570-96-8

Description:

Emu oil (dromaceius noveahollandia) is a traditional Aboriginal source of food and medicine. It is composed of a mixture of triglycerides (mainly fatty acids C14 – C18); unsaturated fatty acids prevail (more than 55%). It contains not only a large proportion of Omega-3 and Omega-6, but also Vitamin A and E. Several studies indicate anti-inflammatory and healing promotion properties.

Application.

Emu Oil can penetrate the skin, nourishes and moisturizes. Therefore it is an excellent ingredient in moisturizing lotions and creams, anti-wrinkle creams and after sun lotions. Due to its healing promotion properties it can be added to wound healing creams. It is also used in soaps, shampoos, massage and bathing oils.

Specification.

Appearance		Creamy
Colour		White to yellow
Saponification value	Mg KOH/g	190-200
Spec. Gravity	At 40 C	0.897 – 0.920
Viscosity	At 40 C	31 – 48
Refractive index		1.455 – 1.467
Iodine value		62 – 105
Water content	%	<= 0.2
Free fatty acid	%	0.1 (typical value)
Peroxide value	Meq O2/kg	<=10
Cloud point (c)		2 - 5
Solubility in water		Insoluble in water

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Free acid composition

C14:0 Myristic	0.0- 0.5%
C16:0 Palmitic	17.5 - 25.0%
C16:1 Palmitoleic	2.5- 5.5%
C18:0 Stearic	7.0 - 11.0%
C18:1 Oleic	35.0 - 55.0%
C18:2 Linoleic	6.2 - 17.6%
C18:3 Linolenic	0 - 2.0%

Anti-oxidants

Tocopherol % 0.1

Remarks: The foregoing product specification is understood as a product information/ product description based on our present knowledge and experience, and does not constitute a specification agreement in a legally binding sense. In view of the great variety of possible uses, any specific characteristics of our products and or their suitability for any specific purpose if use cannot be guaranteed and shall neither be understood to imply any binding assurance of specific properties or quality, nor do we accept any liability for the information contained in the document.