

Description:

Latin name:	Rosa canina L., Rosaceae
Shades:	This analysis report is also valid for: Deodorized/ Conventional
INC (EU)/ botanical name:	ROSA CANINA SEED EXTRACT
CAS Registry Number EU):	84696-47-9
EC# (EINECS/ ELINCS):	283-652-0
Functions as cosmetic product:	Emollient, humectant, skin conditioning
CPNP reference:	1454497
Customs tariff number:	1515 90 59
Spreading behaviour:	Medium

Physicochemical characteristics:

Parameter	Method	Range & unit
Unsaponifiable fraction	DGF: C-III 1b	2,2 %
Density	20 °C DGF C-IV 2d	0,923 g/ml
Refractive index	20 °C DIN EN ISI 6320,1017-07 Refractometry	1,4771
Acid value	DGF C-V 2, titration	≤ 4,0* mg KOH/g (KOH = NaOH)
Free fatty acids (FFA)	Calculated in oleic acid (DGF C-V 2)	≤ 2,02* %
Saponification value	EN ISO 3657, Calculated	193 mg KOH/g (KOH = NaOH)
Iodine value	DGF-C-V 11d, Wijs	164 g I2/100g Semi-drying
Peroxide value	§ 64 LFGB L 12.00-40: 2012-01, Potentiometrie	≤ 10,0* meq O2/kg oil
Anisidine value	DGF-C-VI 6e	< 10
Totox value (= Anisidine + 2 x Peroxide value)		≤ 20,0 meq O2/kg oil
Extractant	-	- (mechanical pressing)

* The acid value, peroxide value and free fatty acids increase steadily during storage. However the product will have under suitable storage conditions at the end of the best before date an acid value ≤ 4.0 mg KOH / g, a peroxide value ≤ 15.0 meq O2 / kg oil and free fatty acids ≤ 2.02 %.



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Fatty Acids composition

According to ISO 12966 mod., GC/FID

Name	Family	Symbol*	%**
Palmitic acid	Saturated	16:0	6,2
Stearic acid	Saturated	18:0	4,3
Oleic acid	Omega-9, mono unsaturated	18:1	23,2
Linoleic acid	Omega-6, poly unsaturated	18:2	41,6
Alpha-Linolenic acid	Omega-6, poly unsaturated	18:3	22,1

* Number of carbon atoms and of double bonds

Further ingredients (Unsaponifiable fraction)	mg/kg (ppm) *
Carotinoids (Carotenes and xanthophylls). See details below!	
Carotenes (beta-carotenes and lycopenes)	
Xanthophylls (beta-chryptoxanthin, rubixanthin, zeaxanthin and lutein)	
Flavonoids	
Sterols	
Tocopherols	390
Trans-retinol acid	
Vitamin E, active	

* The given values are to be considered as approximate average values, which are based on scientific references and/or analysis.

Taxonomy:

The binary nomenclature Rosa Mosqueta is used as general term in Chile for the three wild rose species Rosa moschata, Rosa rubiginosa and Rosa canina. This taxonomic handling is by now common all over the world. For these three wild rose species, there is also an official INCI name within the EU, but there is none for the general term Rosa Mosqueta.

Because of these confusing taxonomies result different INCI names for wild rose oil. Cosmetically, all these species can be seen as equal, so that the taxonomy should only play a minor role.

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**Allergen status (if Food grade):**

According to the REGULATION (EU) No 1169/2011 of 2011-October-25, Annex II, in this regard the oil contains the following allergens subject to labeling: none

Important information:

The specifications and the Material Safety Data Sheet the oil have to be observed.

Due to this analysis report all former versions become invalid. All the values underlie natural fluctuations. This analysis report was provided to the best of our knowledge and belief. It serves information purposes only. A legally binding assurance of certain characteristics or of the appropriateness in a specific context of usage cannot be derived from our analysis report. The Analysis report is only binding, when explicitly agreed upon in written form. Hence, all values have to be validated by the customer himself and do not release him from his quality responsibility and duty to take care when processing our oil.