



NHR ORGANIC OILS  
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## Certificate of Analysis Sheet

# Organic Raspberry Seed Oil

*(Rubus idaeus)*

<b>1. General information:</b>		
Article:	Organic raspberry seed oil	
Batch number	<b>300924-2</b>	
Production:	Organic raspberry seed oil is the fatty oil obtained from the seeds of raspberry ( <i>Rubus idaeus</i> ) through cold pressing and filtration.	
INCI:	RUBUS IDAEUS SEED OIL	
CAS:	84929-76-0	
EINECS:	284-554-0	
Function:	EMOLLIENT, (CosIng data base)	
<b>2. Organoleptic parameters:</b>	Values:	Corresponds
Shape:	Liquid	Yes
Colour:	Yellow to orange	Yes
Odor:	Fruity, with a raspberry note	Yes
Taste:	Characteristic	Yes
<b>3. Chem. Phys. Parameters:</b>	Values:	Corresponds
Density:	0.920 – 0.940 g/cm <sup>3</sup>	0.9261
Refractive index:	1.470 – 1.495	1.4756
Unsaponifiable matter:	< 2.0%	0.3
Peroxide value:	Max. 20 meqO <sub>2</sub> /Kg	7.88
Acid value:	Max. 10 mgKOH/g	1.08
<b>4. Fatty acid composition:</b>	Values:	Corresponds
Palmitic acid C 16:0	1.0 – 7.0%	5.51
Palmitoleic acid C 16:1	< 0.2%	0.05
Stearic acid C18:0	0.5 – 4.0%	2.47
Oleic acid C 18:1	10.0 – 17.0%	13.09
Vaccenic acid C 18:1	< 1%	0.46
Linoleic acid C 18:2	30.0 – 50.0 %	36.87
Alpha-Linolenic acid C 18:3	25.0 – 42.0 %	38.33
Gamma-linolenic acid C18:3	< 2 %	1.08
Arachid acid C 20:0	< 1 %	0.41
Eicosenoic acid C 20:1	< 0.5 %	0.24
Behenic acid C 22:0	≤ 0.5 %	0.15
Total trans fatty acids	< 2.0 %	< 0.1

<b>5. Vitamins:</b>	Per 100g:	Daily amount*: *EU 2011/1169/EC
Vitamin A (Retinol)	Not determined	800 µg
Vitamin D3	Not determined	5 µg
Vitamin E (mg) DL-alpha-Tocopherolacetat d,l-alpha-Tocopherol	Not determined	12 mg
Vitamin K (µg)	Not determined	75 µg
Vitamin C (mg)	Not determined	80 mg
Vitamin B1 (Thiamin) (mg)	Not determined	1.1 mg
Vitamin B2 (Riboflavin) (mg)	Not determined	1.4 mg
Vitamin B3 (Niacin) (mg)	Not determined	16 mg
Vitamin B5 (pantothenic acid) (mg)	Not determined	6 mg
Vitamin B6 (Pyridoxine) (mg)	Not determined	1.4 mg
Vitamin B7 (Biotin) (µg)	Not determined	50 µg
Vitamin B9 (folic acid) (µg)	Not determined	200 µg
Vitamin B12 (Cobalamin) (µg)	Not determined	2.5 µg
<b>6. Minerals:</b>	per 100g:	Daily amount*: *EU 2011/1169/EC
Potassium	Not determined	2000 mg
Chloride	Not determined	800 mg
Calcium	Not determined	800 mg
Phosphorus	Not determined	700 mg
Magnesium	Not determined	375 mg
Iron	Not determined	14 mg
Sodium	Not determined	550 mg
Sulfur	Not determined	
<b>7. Trace elements:</b>	per 100g:	Daily amount*: *EU 2011/1169/EC
Fluorine (mg)	Not determined	3.5 mg
Iodine	Not determined	150 µg
Copper	Not determined	1 mg
Manganese	Not determined	2 mg
Zink	Not determined	10 mg
Selenium	Not determined	55 µg
Chromium	Not determined	40 µg
Molybdenum	Not determined	50 µg

#### **8. Other data:**

The values given in this analysis certificate are subject to natural fluctuations. They change due to the type of storage, the storage period, the analytical method, the analytical instrument used, the calibration of the analytical instrument and the competence of the laboratory worker. They are therefore purely informative and non-binding. All values have been compiled to the best of our knowledge and belief.

This certificate of analysis does not release customers from their quality responsibility when processing our product.