

<b>Rapunzel Naturkost</b> Rapunzelstraße 1 D-87764 Legau	<b>PRODUCT SPECIFICATION</b> Rapunzel Item-No: 1002353 Product: Organic Linseed oil virgin NO-IS 4x250ml EU/nEU	Page: 1 / 2 Version: 0006 dated: 26.10.2018
agricultural origin: <b>EU/nEU</b> customs origin: <b>DE</b>		

## Part 1 - Special product-specific requirements

**1a. Sensorial requirements** Gold-yellow oil with intensive nutty typical lin seed taste and smell without any foreign taste or smell.

### 1b. Quality

Impurities: Total impurities: < 0,200 %

### 1c. Chemical requests

Plasticizer: Plasticizer (phthalates + adipates) according to BNN reference values (www.n-bnn.de).  
At present 1 mg/kg for DEHP/DBP  
5 mg/kg for all remaining plasticizers

Moisture: < 0,10 %

density: 0,9300 - 0,9360 g/ml

Fatty acid composition: C16:0: 4,00 - 6,00 %

Fatty acid composition: C16:1: < 0,50 %

Fatty acid composition: C18:0: 2,00 - 3,00 %

Fatty acid composition: C18:1: 10,00 - 22,00 %

Fatty acid composition: C18:2: 12,00 - 18,00 %

Fatty acid composition: C18:3: 56,00 - 71,00 %

Fatty acid composition: C20:0: < 0,50 %

Fatty acid composition: C20:1: < 0,60 %

Free fatty acids: < 2,00 %

Trans fatty acids [%]: < 0,30

acid value: < 4 mgKOH/g

Peroxides: The peroxides increase during storage. With adequate storage conditions the product has to be acceptable in sensory with a maximal peroxide number of < 10mÄO2/kg until the end of entry date.

Polycycl. arom. hydrocarbons: Benzo(a)pyrene: < 1 ppb  
Sum of Benzo(a)pyrene, Benz(a)anthracene, Benzo(b)fluoranthene and Chrysene: < 5 ppb

Heavy metals: Lead: < 0,10 mg/kg

Cadmium: < 0,10 mg/kg

Mercury: < 0,05 mg/kg

Residues of pesticides + insecticides: Organochlorine pesticides: < 0,010 mg/kg

Organophosphorus pesticides: < 0,010 mg/kg

Others: < 0,010 mg/kg

Piperonyl butoxide: < 0,03 mg/kg

Bromide: < 5 mg/kg

Residues of pesti+ insecticides: According to BNN-orientation-values (see www.n-bnn.de)

These values are valid with consideration of 50 percent analytical variation limit.

### 1d. Microbiological demands

Total count of aerob germs: < 10<sup>3</sup> CFU/g

Coliformes: < 100 CFU/g

Enterobacteriaceae: < 100 CFU/g

Escherichia Coli: < 10 CFU/g

Yeasts: < 100 CFU/g

Moulds: < 100 CFU/g

Staphylokokkus aureus: < 10 CFU/g

Salmonellas: not detectable in 25g

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### 1e. Production- / Manufacturing information

The lin seeds are pressed with elimination of oxygen and without any heating, filtered and bottled. There are no further processes like degumming, active coal treatment, bleaching, deacidification and steaming.

Heating > 40°C: no

Ingredients (in descending order):

virgin linseed oil\*,

\* = organic cultivation, \*\* = biodynamic cultivation

### 1f. Declaration of the product

NUTRITIONAL FEATURES:

per:	100g
Energy value kJ/kcal:	3700/900
Fat:	100,00 g
Of which saturated fatty acids:	10,10 g
Monounsaturated fatty acids:	20,80 g
Polyunsaturated fatty acids:	69,10 g
Linolenic acid:	51,00 g
alpha linolenic acid:	51,00 g
Carbohydrates:	0,00 g
Of which sugars:	0,00 g
Fibres:	0,00 g
Protein:	0,00 g
salt:	0,000 g
Vitamin E:	11,00 mg (92 %)
Declaration:	day, month, year
Best before:	8 months
Shelf life (for Rapunzel):	8 months
Shelf life (retail):	3 months
Shelf life (wholesaler):	4.5 months

### 1g. Product labelling and storage (where applicable)

Packing unit:	4,00 x 250,00 ML
Gross weight of packing unit:	1,822KG
Packing measurement:	13,000 x 13,000 x 18,800 CM
Number of plies per pallet:	4
Packing units per palette:	216,000
Storage conditions:	Temperature of storage: < = 10 °C

### 1h. Supplier has to provide the following analyses to Rapunzel

#### 1i. Parameters which are checked at entry of goods at Rapunzel

Regularly:	Sensory
Control of raw material:	An analysis of the risk potential concerning the raw material has been done. The ingredients will be analysed for pesticides as well as for further potential pollutants.

**WE ARE CONFIRMING THE COMPLIANCE OF:**

- **Product-Specification Part 1 specific demands**

Version: 0006 from: 26.10.2018

- **Enclosure Allergen Info**

Version: 0001 from: 26.08.2004

- **The specification was automatically created on the 14.10.2020 and is therefore valid without signature until revocation.**

COMPANY (Date Signature Stamp)

<b>Rapunzel Naturkost</b> Rapunzelstraße 1 D-87764 Legau	<b>PRODUCT SPECIFICATION Allergen-Information</b> Rapunzel Item-No: 1002353 Product: Organic Linseed oil virgin NO-IS 4x250ml EU/nEU	Page: 1 / 1 Version: 0001 dated: 26.08.2004
agricultural origin: <b>EU/nEU</b> customs origin: <b>DE</b>		

<b>Enclosure Allergen Info VO (EU) Nr.1169/2011</b> Not measurable very small contaminations caused by wind / air circulation should not be named.	<input checked="" type="checkbox"/>	<b>Allergen present as an Ingredient</b> <b>Allergene</b> Ingredients with allergen potential has to be named in details	<input checked="" type="checkbox"/>	Might contain traces of Allergen?
01 Gluten containing cereals (d. h. wheat, rye, barley, oats, spelt, kamut or crossbreedings) as well as their manufactured products.	-		-	-
02 Shellfish and crustaceans and their manufactured products	-		-	-
03 Eggs and their manufactured products	-		-	-
04 Fish and their manufactured products	-		-	-
05 Peanut and their manufactured products	-		-	-
06 Soy and their manufactured products	-		-	-
07 Milk and their manufactured products (including lactose)	-		-	-
08 Nuts, f. e. almonds ( <i>Amygdalus communis</i> L.), hazelnut ( <i>Corylus avellana</i> ), Walnut, ( <i>Juglans regia</i> ), Cashew nut ( <i>Anacardium occidentale</i> ), pecan nut, ( <i>Carya illinoensis</i> (Wangenh.) K. Koch), brazil nut ( <i>Bertholletia excelsa</i> ), pistachios ( <i>Pistacia vera</i> ), macadamia nut and Queensland nut ( <i>Macadamia ternifolia</i> ) and their manufactured products.	-		-	-
09 Celery and its manufactured products	-		-	-
10 Mustard and its manufactured products	-		-	-
11 Sesame and manufactured products	-		-	-
12 Sulphur dioxide and sulphite at a concentration of more than 10mg/kg or 10mg/l indicated as SO <sub>2</sub>	-		-	-
13 Others	-		-	-
14 Lupine and its manufactured products	-		-	-
15 Molluscs and their manufactured products	-		-	-
<b>Allergen (According ALBA declaration)</b>	<b>[X]</b>	<b>mark by</b>	<b>Please list ingredients</b>	<b>[X]</b>
01 Cows milk protein	-			-
02 Lactose	-			-
03 Chicken egg	-			-
04 Soy protein	-			-
05 Soy oil	-			-
06 Gluten	-			-
07 Wheat	-			-
08 Rye	-			-
09 Beef	-			-
10 Pork	-			-
11 Chicken	-			-
12 Fish	-			-
13 Shellfish and crustaceans	-			-
14 Maize / corn	-			-
15 Cocoa	-			-
17 Legumes / pulses	-			-
18 Nuts (excluding coconut)	-			-
19 Nut oil	-			-
20 Peanut	-			-
21 Peanut oil	-			-
22 Sesame	-			-
23 Sesame oil	-			-
24 Glutamate (E620 bis E625)	-			-
25 Sulphite (E220 bis E228)	-			-
31 Coriander	-			-
32 Celery	-			-
34 Carrot	-			-
35 Lupine	-			-
36 Mustard	-			-
<b>Others Information for Vegans</b>	<b>This product is vegan:[X] yes [ ] no</b>			
	<b>Product ist allergen free</b>			

This information has been carefully checked and approved. In case of changes of the allergen potential RAPUNZEL will be informed. At all the used ingredients comparable allergen data has been asked from the suppliers or processors. Their given information has been added to this list as well. Please consider, that costs which has been caused because of wrong information has to be charged to the responsible company. In case if allergen information (free of...) has been labeled at the product, all companies which are in charge of the production line has to be informed, to assure, that even traces of allergen can be excluded.