

<b>Rapunzel Naturkost</b> Rapunzelstraße 1 D-87764 Legau	<b>PRODUCT SPECIFICATION</b> Rapunzel Item-No: 1433247 Product: Organic Cocoa powder, low fat HIH INT 6x250g nEU	Page: 1 / 3 Version: 0004 dated: 17.04.2020
agricultural origin: <b>nEU</b> customs origin: <b>NL</b>		

## Part 1 - Special product-specific requirements

### 1a. Sensorial requirements

Brown to red-brown cocoa powder, standardised with mixed raw material, with aromatic roasted, slightly bitter cocoa flavour without any foreign taste or smell. The powder is well solubly in warm water and milk.

### 1b. Quality

Amount of skin:	< 1,75 %
Size/grain size:	> 75µm < 1 %
Living pests:	no viable or augmentable stages of pests
Dead pests/Webs:	None
Clusters:	None, free flowing
Impurities:	others: < 0,05 % product own < 0,05 % product strange

### 1c. Chemical requests

Moisture:	< 4,50 %
Fat content:	10 - 12 %
pH:	5,00 - 6,00
Polycycl. arom. hydrocarbons:	Benzo(a)pyrene: < 5 µg/kg fat Sum of Benzo(a)pyrene, Benz(a)anthracene, Benzo(b)fluoranthene and Chrysene: < 30 µg/kg fat
Heavy metals:	Lead: < 0,60 mg/kg Cadmium: < 0,60 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:	< 5* 10 <sup>3</sup> CFU/g
Enterobakteriacea:	< 10 CFU/g
Escherichia Coli:	neg./g
Yeasts:	< 50 CFU/g
Moulds:	< 50 CFU/g
Salmonellas:	not detectable in 100g

### 1e. Production- / Manufacturing information

The cocoa beans are collected, fermented, cleaned, roasted, pressed, milled and packaged.

Heating > 40°C: yes

Ingredients (in descending order):

low fat cocoa powder\*,

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

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### 1f. Declaration of the product

#### NUTRITIONAL FEATURES:

per:	100g
Energy value kJ/kcal:	1507/362
Fat:	11,90 g
Of which saturated fatty acids:	7,30 g
Monounsaturated fatty acids:	3,70 g
Polyunsaturated fatty acids:	0,30 g
Carbohydrates:	21,30 g
Of which sugars:	0,10 g
Fibres:	30,00 g
Protein:	27,30 g
salt:	< 0,010 g
Calcium:	169,0 mg (21 %)
Iron:	14,20 mg (101 %)
Magnesium:	493,0 mg (131 %)
Potassium:	1.840,00 mg (92 %)
Zinc:	7,64 mg (76 %)
Declaration:	day, month, year
Best before:	24 months
Shelf life (for Rapunzel):	24 months
Shelf life (retail):	10 months
Shelf life (wholesaler):	14 months

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

Packing unit:	6,00 x 250,00 G
Gross weight of packing unit:	1,939KG
Packing measurement:	31,000 x 21,300 x 14,500 CM
Number of plies per pallet:	5
Packing units per palette:	60,000
Storage conditions:	Temperature of storage: < = 30 °C

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

Particle size:	Every lot of final product
Microbiology:	Every lot of final product Salmonellas in 100g
Heavy metals:	Analysis of Cd Every lot of final product
Moisture:	Every lot of final product
Others:	Fat content for every lot pH for every lot

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

Regularly:	Cadmium per lot cocoa beans PAH's per lot cocoa beans Pesticides per lot cocoa beans Sensory per Lot Water content per Lot solubility per lot
Random sampling:	Heavy metals 1 x per year

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**WE ARE CONFIRMING THE COMPLIANCE OF:**

- **Product-Specification Part 1 specific demands**  
Version: 0004 from: 17.04.2020
- **Enclosure Allergen Info**  
Version: 0001 from: 10.12.2014
- **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: 1433247 Product: Organic Cocoa powder, low fat HIH INT 6x250g nEU	Page: 1 / 1 Version: 0001 dated: 10.12.2014
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<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 Allergene</b> Ingredients with allergen potential has to be named in details	Might contain traces of Allergen? <input checked="" type="checkbox"/>
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 SO2	-		-
13 Others	-		-
14 Lupine and its manufactured products	-		-
15 Molluscs and their manufactured products	-		-
<b>Allergen (According ALBA declaration)</b>	<b>[X]</b> mark by	<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	X	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>		

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.