

Rapunzel Naturkost Rapunzelstraße 1 D-87764 Legau	PRODUCT SPECIFICATION Rapunzel Item-No: 402060 Product: Quinoa popped HiH 6x100g B BO	Page: 1 / 2 Version: 0002 dated: 19.08.2016
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Part 1 - Special product-specific requirements

1a. Sensorial requirements

Light brown puffed quinoa kernels with light variations of the colour and without any foreign smell or taste.

1b. Quality

Living pests:	no viable or augmentable stages of pests
Dead pests:	< 0,0100 %
Impurities:	Total impurities: < 0,100 %

1c. Chemical requests

Moisture:	< 10,00 %
Water activity:	< 0,65
radioactivity:	< 5 Bq/kg
Aflatoxin B1:	< 2 ppb
Aflatoxin sum of B1,B2,G1,G2:	< 4 ppb
Zearalenone:	< 0,050 mg/kg
Polycycl. arom. hydrocarbons:	Benzo(a)pyrene: < 1 ppb Sum of Benzo(a)pyrene, Benz(a)anthracene, Benzo(b)fluoranthene and Chrysene: < 5 ppb
Ochratoxin:	< 0,003 mg/kg
Deoxynivalenol (DON):	< 0,500 mg/kg
Heavy metals:	Pb: < 0,20 mg/kg Cd: < 0,10 mg/kg Hg: < 0,01 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 ⁶ CFU/g
Enterobacteriaceae:	< 10 ⁵ CFU/g
Escherichia Coli:	< 10 CFU/g
Yeasts:	< 10 ³ CFU/g
Moulds:	< 10 ⁴ CFU/g
Staphylokokkus aureus:	< 100 CFU/g
Salmonellas:	not detectable in 25g
Orientation values acc. DGHM:	Orientated according to guideline values of the German society for hygiene and microbiology (DGHM). http://www.dghm.org

1e. Production- / Manufacturing information

Quinoa kernels are harvested, cleaned and dried. Finally they are puffed with water vapor and packed.

Heating > 40°C: yes

Ingredients (in descending order):

puffed whole grain quinoa*

* = organic cultivation, ** = biodynamic cultivation, ≙ in conversion

Rapunzel Naturkost Rapunzelstraße 1 D-87764 Legau	PRODUCT SPECIFICATION Rapunzel Item-No: 402060 Product: Quinoa popped HiH 6x100g B BO	Page: 2 / 2 Version: 0002 dated: 19.08.2016
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1f. Declaration of the product

NUTRITIONAL FEATURES: (per 100g) naturally varying!

Energy value kJ/kcal:	1597/378
Fat:	4,70 g
Of which saturated fatty acids:	0,80 g
Carbohydrates:	71,60 g
Of which sugars:	1,40 g
Fibres:	4,7 g
Protein:	9,90 g
salt:	< 0,010 g
Declaration:	day, month, year
Best before:	12 months
Shelf life (for Rapunzel):	12 months
Shelf life (retail):	5 months
Shelf life (wholesaler):	7 months

1g. Product labelling and storage (where applicable)

Packing unit:	6,00 x 100,00 G
Gross weight of packing unit:	0,826KG
Packing measurement:	39,000 x 11,000 x 22,500 CM
Number of plies per pallet:	4
Packing units per palette:	84,000
Storage conditions:	Temperature of storage: < = 30 °C

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

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

Sensory, regularly:	Sensory each Lot
moisture, regularly:	Water content each Lot
water activity, regularly:	aw-Wert pro Lot
Control of raw material:	An analysis of the risk potential concerning the ingredients has been done. The ingredients will be analysed for pesticides as well as for further potential pollutants. The finished product will only be checked on a random basis.

WE ARE CONFIRMING THE COMPLIANCE OF:

- **Product-Specification Part 1 specific demands**
Version: 0002 from: 19.08.2016
- **Enclosure Allergen Info**
Version: 0002 from: 19.04.2016
- **The specification was automatically created on the 19.06.2017**
and is therefore valid without signature until revocation.

COMPANY (Date Signature Stamp)

Rapunzel Naturkost Rapunzelstraße 1 D-87764 Legau	PRODUKTSPEZIFIKATION Allergen-Information		Page: 1 / 1
	Rapunzel Item-No: 402060		Version: 0002
	Product: Quinoa popped HiH	6x100g B BO	dated: 19.04.2016

Enclosure Allergen Info VO (EU) Nr.1169/2011 Not measurable very small contaminations caused by wind / air circulation should not be named.	<input checked="" type="checkbox"/>	Allergen present as an Ingredient Allergene 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.	-		X
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 (Amygdalus communis L.), hazelnut (Corylus avellana), Walnut (Juglans regia), Cashew nut (Anacardium occidentale), pecan nut (Carya illinoensis (Wangenh.) K. Koch), brazil nut (Bertholletia excelsa), pistachios (Pistacia vera), macadamia nut and Queensland nut (Macadamia ternifolia) 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	-		-
Allergen (According ALBA declaration)	[X] mark by	Please list ingredients	[X]
01 Cows milk protein	-		-
02 Lactose	-		-
03 Chicken egg	-		-
04 Soy protein	-		-
05 Soy oil	-		-
06 Gluten	-		X
07 Wheat	-		X
08 Rye	-		X
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	-		-
No. 16,26,27,28,29,30 and 33 deleted since not according to actual ALBA-list.			
Others Information for Vegans	This product is vegan:[X] yes [] no		

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.

Date:

Person:

Signature: