

# FOOD SAFETY MANAGEMENT SYSTEM



## P.2.1 PRODUCT SPECIFICATIONS

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Date: 16/11/2021

### 1. GENERAL INFORMATION

NAME OF THE PRODUCT	Poppy Seeds
COUNTRY OF ORIGIN	Spain
INTENDED USE	This product is sold "business to business" as a bakery ingredient (not intended to be sold directly to final consumers). Its common uses are, among others, toppings and confectionery fillings for baked products. For other purposes, such as salad dressings, it is advisable to do a risk assessment considering the final application and target consumer group (see 4. Chemical parameters and 5. Microbiological parameters).
PROCESS	The poppy crop is received and separated using a trommel screen, destoners and gravity tables; then, it is pre-cleaned using the same destoners and gravity tables. Finally, the pre-cleaned seeds are cleaned using vibratory sifters, air flow columns and gravity tables. The result is a 99,90% pure product.

### 2. PHYSICAL CHARACTERISTICS

COLOUR	Black/Blue
TASTE	Typical poppy seed taste. Not rancid, not bitter.
APPEARANCE	Kidney shaped
SIZE	Between 0,88 mm and 1,1 mm
SPECIFIC WEIGHT	Around 580 kg/m3
HUMIDITY	≤ 10%
a <sub>w</sub>	0,50 - 0,70
PURITY	≥ 99,90%

### 3. NUTRITIONAL VALUES (typical values per 100 g)

ENERGETIC VALUE	2167/525 kJ/kcal
FAT	42.33 g
of which	
saturated	5.58 g
monounsaturated	10.73 g
polyunsaturated	26.02 g
CARBOHYDRATES*	2.90 g
of which	
total sugars	1.60 g
FIBER	22.80 g
PROTEIN	21.77 g
SALT	0.010 g
SODIUM	4.02 mg
ASH	6.93 g
CALCIUM	1.70 g
POTASSIUM	0.5 g
IRON	61 mg
VITAMIN D	< 1.0 µg

\*Carbohydrates = Available carbs. "Carbohydrates" do not include fiber.

Total carbs = 2.90 + 22.80 = 25.7 g

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#### 4. CHEMICAL PARAMETERS

HEAVY METALS	
Cadmium	< 1 mg/kg*
PESTICIDES	
According to EU regulations (Regulation 396/2005)	
ALLERGENS	
Free of LeDa (ALBA) list	
AFLATOXINS	
Aflatoxin B1	< 2 µg/kg
Aflatoxins (B1, B2, G1, G2)	< 4 µg/kg
ALKALOIDS	
Analyses of typical values available on request	

*\*Commission Regulation (EU) 2021/1323 amending Regulation (EC) 1881/2006 as regards maximum levels of cadmium in certain foodstuffs sets a maximum limit of 1,20 mg/kg of Cadmium in poppy seeds.*

#### 5. MICROBIOLOGICAL PARAMETERS

These are **typical values**. It must be taken into account that these seeds are a raw agricultural product that grows outdoor and it does not receive a thermal processing or any other method of sterilization; no matter the good agricultural practices or the good manufacturing practices, it is difficult to guarantee no contamination on the field from rodents, birds, insects, etc. In any case, the low moisture and low water activity does not support microbiological growth.

MICROBIOLOGICAL STANDARDS	
Total Plate Count	< 10 <sup>6</sup> ufc/g
Yeasts & Molds	< 10 <sup>4</sup> ufc/g
Enterobacteriaceae	< 10 <sup>5</sup> ufc/g
Escherichia coli	< 10 ufc/g
Salmonella	Absent in 25g
Listeria	< 10 ucf/g
Bacillus cereus	< 10 <sup>3</sup> ucf/g

#### 6. OTHER INFORMATION

- FREE OF INSECTS (FUMIGATED WITH ALUMINIUM/MAGNESIUM PHOSPHIDE)
- PASSED THROUGH A METAL DETECTOR (FOR MORE INFORMATION, ASK FOR SENSITIVITIES)
- NO GMO
- KOSHER CERTIFIED
- SUITABLE FOR VEGETARIANS
- SUITABLE FOR VEGANS
- SUITABLE FOR COELIAC

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### 7. PACKAGING AND LABELLING

PACKAGING	NET WEIGHT	USUAL PRESENTATION*
THREE LAYERS PAPER BAGS	25 kg	8-9 layers pallets
	50 lb	9 layers pallets
	12,5 kg	-
BIG BAGS	1000 kg	With or without pallet
	500 kg	With or without pallet

\*There is always a cardboard layer between the pallet and the packaging; the pallets are wrapped with a plastic wrap.

PAPER BAGS
Alphanumeric code length 9
Name of the product:
Origin:
Net weight:
Manufacturer:
Best before:

BIG BAGS
 <b>DARK BLUE POPPY SEED</b> Lot: COMXX-XXX BIG BAG: X NET WEIGHT: X Kg BEST BEFORE: XXX-XXX <small>KEEP IN A COOL DRY PLACE</small>

\*Usually the label layout (especially in the case of paper bags) is agreed with the client depending on their requirements. The label shall contain, **at least**, the name of the company (either Alcaliber or the customer's name), the lot number and the name of the product.

**LOT CODE: COM** (commercial) **XX** (two last digits of the crop year) – **YY** (correlative number within the crop year)

**I.E: COM21-001** (first commercial lot of the crop 2021)

### 8. STORAGE

- **KEEP IN A COOL AND DRY PLACE**
- **24 MONTHS OF SHELF LIFE. AFTER THAT, THE PRODUCT IS STILL SAFE AND IT CAN BE CONSUMED; HOWEVER, THE TYPICAL ORGANOLEPTIC PROPERTIES ARE NOT GUARANTEED FROM THAT POINT ON.**

Signed:



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