

TECHNICAL SPECIFICATIONS

CONVENTIONAL BLACK CHIA SEEDS

1. PRODUCT NAME

Trade Name
Conventional Black Chia seeds
Ingredients
Black Chia seeds (Salvia Hispanica)

2. COUNTRY OF ORIGIN: PARAGUAY

3. MARKET / DESTINATION

Destination
Europe / European Union standards

4. PARAMETERS TO CONSIDER

4.1. Organoleptic characteristics

Parameters	Result
Color / Appearance	Mix of black, gray and white
Flavor	Characteristic and free of strange flavors
Odor	Characteristic and free of strange smells

4.2. Physicochemical characteristics

Parameters	Result
Purity	99.9 %
Humidity	≤ 8 %
Brown seeds	≤ 1 %
Immature seeds	≤ 1%
Oil Content	> 30%
Free Fatty Acids	≤ 2 % (as Oleic Acid)
Ashes	4 – 6 %
Crude protein	> 15%
Dietary fiber	30 – 35 %
Carbohydrates	9 – 11 %

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Palmitic acid (C16:0)	2.4 %
Stearic acid (C18:1)	0.90 %
Oleic Acid (C18:1)	1.65 %
Linolenic acid (C18:2)	5.70 %
Linolenic acid (C18:3)	>18 %
Saturated Fatty Acid	3 %
Polyunsaturated Fatty Acids	24.9 %
Monounsaturated Fatty Acids	2.10%
Trans fatty acids	0.15 %
Sodium	0.0 %
Cholesterol	0.0 %
Energetic value	1785 kj (432 kcal)/100 g

4.3. Microbiological characteristics

Determinations	Parameters
Total Mesophilic aerobes	$\leq 10^6$ CFU/g
Enterobacteria	$\leq 10^4$ CFU/g
Total Coliforms	$\leq 10^3$ CFU/g
E. coli	< 10 CFU/g
Staphylococcus aureus	< 100 CFU/g
Salmonella	Absence in 25 g
Molds & Yeasts	$\leq 10^4$ CFU/g

CFU: Colony forming unit

4.4 Nutritional information

NUTRITIONAL INFORMATION – ORGANIC BLACK CHIA SEEDS		
Serving 50 g (1/2 cup)		
Determinations	Amount per proportion (*)	% VD (**)
Energetic value	893 kJ / 216 kcal	10.8 %
Carbohydrates	5.5 g	1.8 %
Proteins	7.5 g	10 %
Total Fats	15 g	27.3 %
Saturated fats	1.5 g	6.8 %

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Trans fat	0.0 g	(***)
Omega 3 Acid	9 g	(***)
Omega 6 Acid	2.8 g	(***)
Omega 9 Acid	0.8 g	(***)
Dietary fiber	17 g	68 %
Sodium	0.0 g	0.0 %
<p>(*) The nutritional information was calculated on the basis of Regulation (UE N° 1169/2011) and the Mercosur Regulation GMC/RES N° 46/03. (**) Daily reference values based on a diet of 2000 kcal or 8400 kJ. Your daily values may be higher or lower depending on your energy needs. (***) Daily value no established.</p>		

4.5 Contaminants and residues

Assay	Specifications
Heavy metals (lead and cadmium)	In accordance with Regulations (EC) No.1881/2006
Total aflatoxins (B1+B2+G1+G2)	< 4.0 ug/kg
Pesticides	According to EC 396/2005

*This analysis has an additional cost. If necessary for each batch, please consult in advance.

4.6 Allergens and Gluten

<u>Allergens</u> :- When purchased in bulk size original packaging, manufacturer allergen policy will apply. When purchased in quantities that need re-packaging, our allergen policies will apply.						
Component	Manufacturer			Nuts in Bulk (Applies when bought in small quantities that need re-packaging)		
	In Product	Processed in Same Equipment	Handled on Site	In Product	Processed in Same Equipment	Handled on Site
Cereals containing GLUTEN and products thereof	NO	NO	NO	NO	YES	YES
EGGS or its derivatives	NO	NO	NO	NO	NO	NO
FISH or its derivatives	NO	NO	NO	NO	NO	NO
CRUSTACEANS / SHELLFISH	NO	NO	NO	NO	NO	NO
MOLLUSCS	NO	NO	NO	NO	NO	NO
PEANUTS or derivatives	NO	NO	NO	NO	YES	YES
SOYA BEANS or derivatives	NO	NO	NO	NO	YES	YES
MILK (LACTOSE) or its derivatives	NO	NO	NO	NO	YES	YES
NUTS , tree nuts:	NO	NO	NO	NO	YES	YES
CELERY, including celeriac and its derivatives	NO	NO	NO	NO	YES	YES
MUSTARD, referring to all parts of the plant and derivatives thereof	NO	NO	NO	NO	YES	YES
SESAME SEEDS or derivatives	NO	NO	NO	NO	YES	YES
SULPHITES >10ppm – Sulphite quantity to be given in ppm	NO	NO	NO	NO	YES	YES
LUPIN seeds or derivatives	NO	NO	NO	NO	NO	NO

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Nuts (e.g. Hazelnuts, Walnuts, Cashew nuts...)	Y		
Sulphur dioxide / sulphites	Y		

4.7 GMO – Statement

Product or any of its ingredients does not contain any genetically modified material. There are no any marker genes present in the product, its ingredients, or into processing aids. Product is free from GMO .

5. PACKAGING

Type of Container
Laminated Polypropylene Bags, 25 kg and 50 kg.
Paper bags Kraft 25kg

6. CONDITIONS OF STORAGE AND SHELF LIFE

Storage
Store in a cool, dry place with a temperature below 40 ° C. Avoid exposure to sunlight.
Shelf life
Minimum of 36 months from the date of production, respecting storage conditions.

7. IDENTIFICATION OF INTENDED USE

Expected use by the consumer
Cooking ingredient. The product is free of genetically modified organisms (non-GMO). Gluten-free. Allergen-free. Kosher product.

8. REFERENCE REGULATION

The product complies with the regulations and rules of governments applicable in countries of the European Union and the UK, which refers to the export and import of foods that ensure food safety.

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9. AGREEMENT

This specification is approved by our supplier Director, Cesar Navarro. Customers are expected to agree to this specification by signing below. Once the specification is shared, and if no response is received within 72 hours, it is understood that the customer agrees to it.

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