



HACCP

Author: Y.T. Yong	Date	16-8-2008
HACCP manager: M. Keizer	Version	10
Chapter	Page	1

Authorised by
QA department

Subject	Product specification	Organic natural sesame seed
---------	-----------------------	-----------------------------

Organic natural sesame seed is supplied from a selected group of approved suppliers. In several cases we reprocess the goods in our HACCP/BRC approved factory in The Netherlands. In this way we guarantee the quality we commit ourself to deliver to our clients.

Physical Characteristics

Colour of seeds	99/1 or 98/2
	white beige/ some black
Taste / Smell	typical sesame
Appearance	oval

FFA	max 1.5	%
Peroxide	max 5	meq/kg
Humidity	max 6	%
Purity	min 99,9	%

Nutritional value per 100 grams

Energetic value	2450	kJoule
	575	kcal
Carbohydrates	± 2.5	%
Protein	min 20	%
Oil content (fat)	min 48	%
Ash	max 6	%
Dietary fiber	± 11.8	%

Minerals per 100 grams

Calcium, Ca	975	mg
Iron, Fe	14,55	mg
Magnesium, Mg	351	mg
Phosphorus, P	629	mg
Potassium, K	468	mg
Sodium, Na	11	mg
Zinc, Zn	7,75	mg
Copper, Cu	4,082	mg
Manganese, Mn	2,46	mg
Selenium, Se	5,7	mcg

Vitamins per 100 grams

Vitamin C, total asorbic acid	0	mg
Thiamin	0,791	mg
Riboflavin	0,247	mg
Niacin	4,515	mg
Pantothenic acid	0,05	mg
Vitamin B-6	0,79	mg
Folate, total	97	mcg
Vitamin B-12	0	mcg
Vitamin A, IU	9	IU
Vitamin A, RE	1	mcg_RE
Vitamin E	2,27	mcg_ATE

Shelf life
18 months

Marking on bags

11 digit traceability mark or
Product name, net weight, lot number, best before

Microbiology

Total plate count
Yeast
Mould
Enterobacteriaceae
Coliforms
Salmonella
Escherichia coli
Staphylococcus aureus
Bacillus cereus
Sulphite reducing anaerobes
Clostridium perfringens
Faecal streptococci
Campylobacter
Listeria monocytogenes

< 500,000	cfu/g
< 5,000	cfu/g
< 5,000	cfu/g
< 100,000	cfu/g
< 10,000	cfu/g
neg /25 gr	
< 10	cfu/g
< 50	cfu/g
< 50	cfu/g
< 50	cfu/g
< 50	cfu/g
< 50	cfu/g
< 10	cfu/g
< 10	cfu/g

Pesticides

According to EU regulations

Heavy metals

- Cadmium
- Lead
- Mercury
- Arsenic

< 300	ppb
< 500	ppb
< 30	ppb
< 30	ppb

Toxines

- Aflatoxin B1+B2+G1+G2
- Ochratoxin A

< 4	ppb
< 5	ppb

Packaging

- 25 kgs net paper or poly bags
- 50 lbs net paper or poly bags
- stabilized big bags 500 - 750 kgs net

Storage advise

Store in cool, dry and dark place, preferably below 15°C.

Alba list

	yes	no
cow milk protein		*
lactose		*
chicken egg		*
soya protein		*
soya oil		*
gluten		*
wheat		*
rye		*
beef (-derivates)		*
pork (-derivates)		*
chicken (-derivates)		*
fish		*
crustacean/shellfish		*
corn/maize		*
cocoa		*
yeast		*
pulses		*
nuts		*
nuts oil		*

* colours E102, E110, E122, E123, E124 and E151

** aniseed, dill, caraway, celery, chervil, corinder, lavas, cumin, myrrh, parsley, fennel.

*** if sulphite or benzoic acid and parabens are present, please note the quantity

Alba list

	yes	no
peanuts		*
peanut oil		*
sesame seed	*	
sesame oil		*
glutamates		*
sulphite (E220-E227) ***		*
benzoic acids and parabenes (E210-E219) ***		*
azo colours *		*
tatazine (E102)		*
cinnamon		*
vanillin		*
coriander		*
celery		*
umbelliferae **		*
carrot		*
lupine		*
mustard		*
molluscs		*