

HULLED SESAME SEEDS 99.98%

PRIMA GRADE (ORIGIN: NIGERIA)

- I. PRODUCT PROFILE:** This product is prepared from raw sesame which is cleaned, washed, mechanically hulled and dried to get the desired white color and purity.
- II. SCIENTIFIC NAME:** Sesamum indicum
- III. INGREDIENTS:** Sesame seeds
- IV. CROP YEAR:** Current Crop
- V. ORGANOLEPTIC PROPERTIES:**

Parameters	Compliance Condition
Appearance	White to creamy; Shall be free from decay, insect damage, disease, foreign material or any deleterious damage or materials.
Aroma	Pleasant; no foul or foreign odor
Flavor	Sweet, Nutty

VI. PHYSICO-CHEMICAL PROPERTIES:

Parameter	unit	Limit	Frequency	Test method
Purity	%, min	99.98; free from stones or other grains	Each lot/contract	ISO 658
Defect (Off colored, unhulled)	%, max	1; visual	Each lot/contract	In-house; OLAM/QC/M/002
Dark seeds	Count (in 100 g), max	1.0	Each lot/contract	In-house; OLAM/QC/M/002
Seed Count	number	370 – 390	Each lot/contract	In-house; OLAM/QC/M/002
Bulk density	(kg/cu.m)	> 570	Each lot/contract	In-house; OLAM/QC/M/002
Carbohydrate	%	>2	Once a year	Calculation by difference
Ash	%	1.5 – 6.0	Once a year	GAFTA 130/11:0
Total Protein	%, min	20	Once a year	Agrolab §64 LFGB L 17.00-15(KI)
Oil Content	%, min	55	Each lot/contract	ISO 659
Moisture	%, max	5	Each lot/contract	ISO 665
FFA	%, max	2	Each lot/contract	ISO 660
Crude Fibre	%	> 2	Once a year	Agrolab §64 LFGB L 00.00-18(KI)
Aflatoxin (as B1)	µg/kg, max	2	Each lot/contract	Agrolab in-house method - QMP_504_VW_405, Agrolab
Aflatoxin (B1 + B2 + G1 + G2)	µg/kg, max	4	Each lot/contract	Agrolab in-house method - QMP_504_VW_405, Agrolab
Pesticide (Organochloro & Organophosphate)	mg/ kg, max	As per EU limit	Each lot/contract	Agrolab in-house method - QMP_504_VW_608, Agrolab
Arsenic (As)	mg/ kg	< 0.02	As per customer requirement	Agrolab in-house method - QMP_504_VW_201, Agrolab
Cadmium (Cd)	mg/ kg	< 0.02	As per customer requirement	Agrolab in-house method - QMP_504_VW_201, Agrolab

Lead (Pb)	mg/ kg	< 0.1	As per customer requirement	Agrolab in-house method - QMP_504_VW_201, Agrolab
Mercury (HG)	mg/ kg	< 0.01	As per customer requirement	Agrolab in-house method - QMP_504_VW_201, Agrolab

VII. MICROBIOLOGICAL PROPERTIES:

Parameter	unit	Limit	Frequency	Test method
E.coli (ISO 16649-1)	Cfu/g	< 10	Each lot/ contract	ISO 16649 – 2
Salmonella (ISO 6579)	Cfu/25g	absent	Each lot/ contract	ISO 6579
Coliform bacteria (ISO 4832)	Cfu/g	< 10	As per customer requirement	ISO 4832
Yeast & Mold (ISO 21527)	Cfu/g	< 10 ²	As per customer requirement	ISO 7954: 1987
Staph aureus (ISO 6888-2)	(cfu/g)	< 10	As per customer requirement	ISO 6888 – 2
Total viable count (ISO 4833-2003)	Cfu/g	<10 ³	As per customer requirement	ISO 4833 – 1
Listeria monocytogenes (ISO 11290-2)	Cfu/g	Not detected	As per customer requirement	ISO 11290 – 2

VIII. ENERGY:

Kcal	630/ 100g
KJ	2600/ 100g

IX. SHELF LIFE AND STORAGE GUIDELINES:

Storage Temperature	Humidity	Moisture	Recommended Maximum Shelf Life
< 70 °F or < 25.0 °C	<65% RH	≤5%	12 months

Store in a cool, dry, and preferably dark environment.

X. PACKAGING:

Packed in 3 ply Paper Kraft bags with a GSM of 125 or 4 ply Paper Kraft bags with a GSM of 80 with or without poly lining inside. Products are packed in 50kg, 25kg, 20kg and 10kg SKUs. Labeling details can be pre-printed or pasted as stickers.

XI. PRODUCT DISCLAIMER:

This specification is provided in good faith. Some product variability is inherent and natural in agricultural based products. Processing controls are put in place to minimize natural variability but it cannot be fully controlled. Climate, change in weather patterns and other natural factors can contribute to the variability in raw materials, also affecting finished goods.

XII. LOT NUMBER FORMAT:

Olam Nigeria sesame factory standard lot number format is a 10-digit code which represents the area code of the production, raw material bin number used, production month and year. The lot number is either printed on each bag of consignment or printed on the adhesive label pasted on each bag of the consignment according to the customer requirement. All lot numbers are fully traceable via our internal tracking system.

Lot # SA 0180 03 19

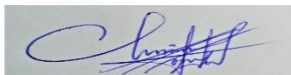
SA Stands for production area of the product
0180 Stands for the Raw Material bin number used for the production
03 19 Stands for the month and the year of production (March 2019).



Prepared by: Chidi Vincent

Quality Coordinator

Sign:



Approved by: Christiana Udoh

Quality Manager

Sign:

