PRODUCT SPECIFICATION SHEET

Egyptian Dehydrated Garlic

Allium sativum L.

DOCUMENT NO.	ISSUE	DATE
OH-SPEC-DGA-01	01	19.11.2026

01 PRODUCT IDENTIFICATION

Product name	**Egyptian Dehydrated Garlic**
Botanical name	*Allium sativum* L.
Plant family	Amaryllidaceae
Part used	Cloves
Form / cut	Flakes, chopped 3–5 mm, minced 1–3 mm, granules 0.2–0.5 mm, powder < 0.2 mm
HS code (reference)	0712.90 *
Country of origin	Egypt
Country of processing	Egypt
Harvest season	March to May
Treatment status	Air dried (AD); not irradiated, not fumigated with ethylene oxide, no additives.

02 DESCRIPTION OF PROCESSING

1. **Raw material**
   Garlic bulbs from contracted farms; broken into cloves, peeled and inspected.
2. **Washing & trimming**
   Washed in potable water, inspected, trimmed and de-stoned.
3. **Cutting**
   Cloves are sliced and cut to the required size.
4. **Air drying (AD)**
   Continuous multi-stage hot-air belt dryer at controlled temperature; no sulphites or other additives.
5. **Milling & sieving**
   Dried product is milled where required and sieved to the specified particle size.
6. **Hand inspection**
   Final inspection belt fitted with high-intensity magnets.
7. **Metal detection**
   Every packed unit passes through a calibrated metal detector.
8. **Packing**
   Packed in clean, food-grade packaging with double PE liner, labelled with lot code and stored on pallets.

03 SENSORY & PHYSICAL CHARACTERISTICS

Appearance	Uniform pieces or powder according to grade
Colour	White to creamy white
Flavour	Characteristic garlic, pungent
Odour	Typical of dehydrated garlic; no burnt or foreign odours
Texture	Dry, free-flowing, hygroscopic

04 ANALYTICAL VALUES

PARAMETER	MINIMUM	MAXIMUM	METHOD
Moisture (% w/w)	—	6.5 %	ISO 939
Total ash (% w/w)	—	5.5 %	ISO 928
Acid-insoluble ash (% w/w)	—	0.5 %	ISO 930

MYCOTOXINS

MYCOTOXIN	MAXIMUM
Aflatoxin B1	5 µg/kg
Aflatoxins total (B1+B2+G1+G2)	10 µg/kg
Ochratoxin A	10 µg/kg

No EU maximum levels for aflatoxins or ochratoxin A exist for this dehydrated vegetable; limits shown are Orient Herbs specification.

05 PHYSICAL VALUES & FOREIGN-BODY CONTROL

PARAMETER	TARGET	MINIMUM	MAXIMUM
Particle size	Per grade (flakes, granules, powder)	—	—
Dark / burnt particles	—	—	< 1.0 %
Extraneous matter	—	—	< 0.1 %
Foreign material (stones, glass, metal, insects)	—	—	Absent

METAL DETECTION – TEST PIECES	FERROUS (FE)	NON-FERROUS (NON-FE)	STAINLESS STEEL (SS)
Metal detector, every packed unit	1.5 mm	1.5 mm	2.0 mm

High-intensity magnets are fitted at the sorter inputs and outputs and on the final inspection belt. Rejected units are quarantined and investigated.

06 MICROBIOLOGICAL VALUES

ORGANISM	MAXIMUM (CFU/G)
Total viable count (TVC)	5×10^5
Coliforms	10^3
Bacillus cereus	10^3
Escherichia coli	10^2
Salmonella spp.	Absent in 25 g
Yeasts	10^3
Moulds	10^3

Methods: ISO 4833-1 (TVC), ISO 4832 (coliforms), ISO 21528-2 (Enterobacteriaceae), ISO 7932 (B. cereus), ISO 16649-2 (E. coli), ISO 6888-1 (coagulase-positive staphylococci), ISO 6579-1 (Salmonella), ISO 21527 (yeasts & moulds), carried out by an accredited external laboratory.

07 CONTAMINANTS & RESIDUES

Pesticide residues	Within the maximum residue levels of Regulation (EC) No 396/2005 and retained UK legislation. A multi-residue screen is available per lot on request.
Heavy metals	Lead, cadmium and mercury in accordance with Regulation (EU) 2023/915 and current UK contaminants legislation.
Pyrrolizidine alkaloids	No EU maximum level applies to this product. Weed control in the field and cleaning/sorting minimise PA-containing weed seeds and plant parts.
Sulphites	No sulphites added (SO_2 < 10 mg/kg). Note: natural sulphur compounds of *Allium* species can give false-positive results with the Monier-Williams method; LC-MS/MS or ion chromatography is recommended.
Ethylene oxide	Not used at any stage. Product complies with the EU MRL for ethylene oxide (sum).
Irradiation	The product is not irradiated and contains no irradiated ingredients.

08 NUTRITIONAL INFORMATION *(typical values per 100 g)*

NUTRIENT	PER 100 G
Energy	1385 kJ / 331 kcal
Fat	0.7 g
of which saturates	0.2 g
Carbohydrate	73 g
of which sugars	2.4 g
Protein	17 g
Salt	0.15 g

Typical values from USDA FoodData Central (SR Legacy) reference data for the dried product; not a guaranteed analysis.

09 ALLERGEN INFORMATION

ALLERGEN (ANNEX II, REG. (EU) 1169/2011)	IN PRODUCT	ON SITE	PROCESSED ON SITE	SUPPLY-CHAIN RISK
Cereals containing gluten (wheat, rye, barley, oats, spelt, kamut and products thereof)	No	No	No	No
Crustaceans and products thereof	No	No	No	No
Eggs and products thereof	No	No	No	No
Fish and products thereof	No	No	No	No
Peanuts and products thereof	No	No	No	Yes
Soybeans and products thereof	No	No	No	No
Milk and dairy products (including lactose)	No	No	No	No
Tree nuts (almond, hazelnut, walnut, cashew, pecan, Brazil nut, pistachio, macadamia, Queensland nut)	No	No	No	Yes
Celery and products thereof	No	Yes	Yes	No
Mustard and products thereof	No	No	No	No
Sesame seeds and products thereof	No	Yes	Yes	No
Sulphur dioxide and sulphites (> 10 mg/kg or 10 mg/L as SO_2)	No	No	No	No
Lupin and products thereof	No	No	No	No

ALLERGEN (ANNEX II, REG. (EU) 1169/2011)	IN PRODUCT	ON SITE	PROCESSED ON SITE	SUPPLY-CHAIN RISK
Molluscs and products thereof	No	No	No	No

Allergens in product	**None**
*** Supply-chain note**	Traces of peanut and tree-nut protein cannot be fully excluded because herbs are grown, harvested, transported and stored in open agricultural environments.
Allergen control on site	Celery and sesame seeds are handled on site. Segregated storage, scheduled production with validated cleaning between products, and trained staff are used to prevent cross-contact.
'May contain' advice	May contain traces of peanuts and tree nuts due to agricultural and environmental cross-contamination. Customer to risk-assess for final labelling.

10 PRODUCT SUITABILITY

DIET	SUITABLE	CERTIFICATE
Vegetarians	Yes	—
Vegans	Yes	—
Kosher	Yes	Available on request
Halal	Yes	Available on request
Coeliacs (gluten-free)	Yes	—
Organic	On request	Organic grade available from certified farms

11 STATEMENTS

GMO (Reg. (EC) 1829/2003 & 1830/2003)	Neither the product nor any component is produced from genetically modified varieties: **Yes**. Produced from identity-preserved raw materials: **No**. Produced from raw materials of GM origin: **No**. Requires GMO declaration: **No**.
Nut and peanut	Orient Herbs does not process peanuts or tree nuts. Because many herbs are grown and transported near nuts and peanuts at origin, and containers are outside our control, we cannot give a categorical nut-free guarantee.
Infestation	Goods are cleaned and inspected but, unless heat- or vacuum-treated, cannot be guaranteed free from later infestation. Store as stated below.
Foreign matter	Glass and brittle-plastic policy, pest-control programme and metal detection are in place under our HACCP-based food-safety management system.

12 PACKING, LABELLING & TRACEABILITY

Standard packing	Carton boxes with double food-grade PE liner, 20 kg net (powders and granules: 25 kg multi-wall paper bags with PE liner).
Palletising	Clean, fumigated or heat-treated (ISPM 15) wooden pallets, stretch-wrapped.
Label on each unit	Product name, botanical name, lot number, net weight, production date, best-before date, country of origin and buyer's shipping marks.
Traceability	Lot code links each unit to farm / grower, harvest date, processing batch and laboratory results. Mock recall tested at least once a year.
Documents per shipment	Certificate of analysis per lot, phytosanitary certificate, certificate of origin (EUR.1 where applicable), packing list and commercial invoice.

13 STORAGE & SHELF LIFE

Storage	On pallets in cool, dry, hygienic, pest-controlled conditions; keep liners closed (hygroscopic). Recommended < 20 °C and < 60 % RH.
Shelf life	24 months from production in unopened original packaging. Delivered with at least 75 % of shelf life remaining.

14 COMPLIANCE & CERTIFICATION

Legislation	The material complies with all relevant EU and UK food legislation for dehydrated vegetables and dried herbs at the date of issue.
Factory	HACCP-based food-safety management system; current certificates available on request.
Farms	Selected Egyptian growers working to Good Agricultural Practice (GAP), with farm-level traceability.
Quality control	Each lot is checked on receipt, during processing and before release. Retained samples are kept for the full shelf life.

15 APPROVAL

Document no.	OH-SPEC-DGA-01
Issue / date	01 / 19.11.2026
Prepared by	Quality Control Department
Approved by	

NAME & TITLE

SIGNATURE

COMPANY STAMP

** HS code for reference only; the importer should confirm classification with its customs broker. This specification supersedes all previous issues. Changes are notified to the customer in writing before supply.*