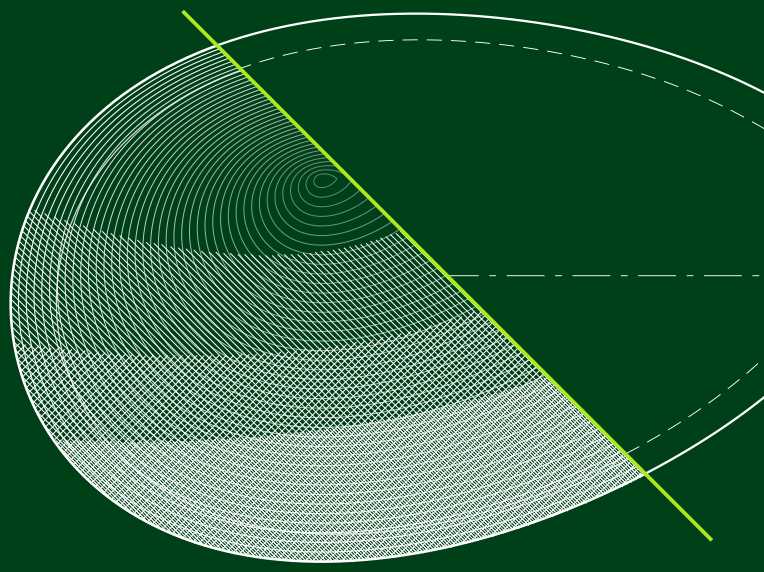
01 · PRODUCT

Conventional Sortex Sesame Seeds

Cleaned, optically colour-sorted whole sesame seeds. *Sesamum indicum* L. For bakery, confectionery, tahini, toppings, snacks, seasoning blends and further food processing.

PGC/SP/SES-SRT/EU/R01 R01

SESAME · CLEANED · SORTEX · TESTED · COA · PKKHI



THE DEFINING PAIR

§ 02 · FINISHED-PRODUCT CRITERIA

PURITY · MINIMUM

99.95 %

FOREIGN MATERIAL · MAXIMUM

0.05 %

TWO HALVES OF ONE SAMPLE

99.95 + 0.05 = 100.00 *percent*

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MOISTURE	OIL CONTENT	FREE FATTY ACIDS	*SALMONELLA* · N=5, C=0
MAX	MIN	MAX	
6.0%	48.0%	2.0%	Not detected

CONTAMINANTS	REFERENCE	PGCOM · MAX	BASIS
Aflatoxin B1	2.0 µg/kg	2.0 µg/kg	Finished food ingredient limit under Regulation (EU) 2023/915
Total aflatoxins	4.0 µg/kg	4.0 µg/kg	Sum of B1 + B2 + G1 + G2 under Regulation (EU) 2023/915
Cadmium	0.10 mg/kg	0.10 mg/kg	Sesame-seed / oilseed limit under Regulation (EU) 2023/915
Mercury	0.02 mg/kg	0.01 mg/kg	PGCom contractual criterion; stricter than the EU oilseed MRL of 0.02 mg/kg

SUPPLY CHAIN

ORIGIN PAKISTAN · CLEANING · SORTEX OPTICAL · LABORATORY COA · PKKHI LOADING

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SECTION 01 / PRODUCT IDENTIFICATION

01 Product identity and sensory characteristics

Product identity, composition, origin, sensory profile, intended use, and specified optical sorting.

100%
COMPOSITION: SESAME SEEDS

PRODUCT IDENTIFICATION

PRODUCT NAME	Conventional Sortex Sesame Seeds
ARTICLE NUMBER	SES-SRT
PRODUCT DESCRIPTION	Cleaned, optically colour-sorted whole sesame seeds
BOTANICAL NAME	*Sesamum indicum* L.
COMMON NAMES	Natural sesame seeds; whole sesame seeds; optically sorted sesame seeds

ORIGIN	Pakistan
AGRICULTURAL STATUS	Conventional; not represented as organic
INGREDIENT DECLARATION	Sesame seeds
INTENDED USE	Bakery, confectionery, tahini, toppings, snacks, seasoning blends, and further food processing
INTENDED MARKET	European Union

SENSORY CHARACTERISTICS

APPEARANCE	Intact, small oval sesame seeds; clean, optically sorted, and free-flowing
COLOUR	Cream
ODOUR	Characteristic sesame odour; clean and without foreign odour
FLAVOUR	Characteristic sesame flavour; clean and not rancid
TEXTURE	Small, intact seeds; firm and free-flowing
FOREIGN OBJECTS	No stones, metal, glass, hard plastic, or other hazardous foreign objects
PESTS / INSECTS	No live insects or visible infestation

INTENDED APPLICATIONS

BAKERY · TAHINI · CONFECTIONERY · TOPPINGS · SNACKS · SEASONING BLENDS

CONTROLLED CLEANING
Cleaning and separation are applied to reduce field material and extraneous matter.

SORTEX OPTICAL SORTING
Optical colour sorting removes discoloured seeds and visible defects.

FINISHED GRADE
Finished product must conform to the physical, chemical, and microbiological criteria on page 3.

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SECTION 02 / PRODUCT SPECIFICATIONS

02 Physical, chemical and microbiological specifications

Finished-product requirements and contractual microbiological acceptance criteria.

99.95%
MINIMUM PURITY

PURITY	FOREIGN MATERIAL	MOISTURE	OIL CONTENT
MIN	MAX	MAX	MIN
99.95%	0.05%	6.0%	48.0%

PHYSICAL AND CHEMICAL REQUIREMENTS

PARAMETER	SPECIFICATION	ACCEPTANCE INTERPRETATION
Product form	Whole natural seeds	Cleaned and optically colour sorted
Purity	min. 99.95%	Finished-product criterion
Foreign material	max. 0.05%	Extraneous-material limit
Moisture	max. 6.0%	Finished-product criterion
Oil content	min. 48.0%	Product specification
Free fatty acids	max. 2.0%	FFA
Pests / insects	None	No live infestation
Hazardous foreign objects	Absent	No stones, metal, glass, or hard plastic

MICROBIOLOGICAL ACCEPTANCE CRITERIA

MICROORGANISM / INDICATOR	SPECIFICATION	UNIT / SAMPLING BASIS
Total bacterial count / aerobic plate count	≤ 100,000	*CFU/g*
E. coli	< 10	*CFU/g*
Coliforms	≤ 100	*CFU/g*
Moulds and yeasts	≤ 20,000	*CFU/g*
Salmonella spp.	Not detected	Five 25 *g* samples; n=5, c=0; EN ISO 6579-1 or validated equivalent

SPECIFICATION STATUS The values above are PGCom contractual finished-product criteria. The applicable sampling basis, analytical method, and reporting limit must be identified in the shipment Certificate of Analysis or agreed laboratory report.

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SECTION 03 / NUTRITION AND ALLERGEN STATUS

03 Typical nutritional values and allergen status

Reference nutrition for whole sesame seeds and market-specific allergen identification.

Per 100 *g*
TYPICAL REFERENCE VALUES

TYPICAL NUTRITIONAL VALUES

PER 100 *g*

NUTRIENT	TYPICAL VALUE	NUTRIENT	TYPICAL VALUE
Energy	573 *kcal* / 2,397 *kJ*	Total carbohydrate	23.45 *g*
Total fat	49.67 *g*	thereof sugars	0.30 *g*
Saturated fat	6.96 *g*	Dietary fibre	11.80 *g*
Monounsaturated fat	18.76 *g*	Sodium	11 *mg*
Polyunsaturated fat	21.77 *g*	Calcium	975 *mg*
Protein	17.73 *g*	Iron	14.55 *mg*
Magnesium	351 *mg*	Phosphorus	629 *mg*
Potassium	468 *mg*	Zinc	7.75 *mg*

REFERENCE BASIS Typical whole dried sesame values from USDA FoodData Central, FDC 170150. These are not product-specific CoA results or a finished retail nutrition declaration and may vary naturally by lot.

REFERENCE Regulation (EU) 1169/2011, Annex II.

EU ANNEX II ALLERGEN STATUS

REGULATION (EU) 1169/2011, ANNEX II

Cereals containing gluten	Not used as ingredient	Crustaceans	Not used as ingredient
Eggs	Not used as ingredient	Fish	Not used as ingredient
Peanuts	Not used as ingredient	Soybeans	Not used as ingredient
Milk	Not used as ingredient	Tree nuts	Not used as ingredient
Celery	Not used as ingredient	Mustard	Not used as ingredient
Sesame seeds	**Present · product identity**	Sulphites above 10 *mg/kg*	Not used as ingredient
Lupin	Not used as ingredient	Molluscs	Not used as ingredient

CONTAINS: SESAME

Sesame is the only EU Annex II allergen intentionally present. Cross-contact with unintended Annex II allergens is controlled through the documented allergen-management and sanitation programme.

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04

SECTION 04 / FOOD SAFETY

Contaminants and residue control

Market-specific limits, contractual criteria, and required analytical scope.

2 / 4

AFLATOXIN B1 / TOTAL · PPB MAX.

EU MARKET SPECIFICATION

REFERENCE LEFT · PGCOM RIGHT

PARAMETER	REFERENCE	PGCOM SPECIFICATION	REGULATORY / CONTRACTUAL BASIS
Aflatoxin B1	EU limit	max. 2.0 µg/kg	Finished food ingredient limit under Regulation (EU) 2023/915
Total aflatoxins	EU limit	max. 4.0 µg/kg	Sum of B1 + B2 + G1 + G2 under Regulation (EU) 2023/915
Ethylene oxide residue definition	Reg. (EC) 396/2005	Not detected; LOQ ≤ 0.05 mg/kg	Ethylene oxide + 0.55 × 2-chloroethanol, expressed as ethylene oxide
Pesticide residues	Reg. (EC) 396/2005	Comply with current sesame-seed MRLs	Article 18 default 0.01 mg/kg only where no specific MRL is established
Cadmium	EU limit	max. 0.10 mg/kg	Sesame-seed / oilseed limit under Regulation (EU) 2023/915
Lead	PGCom criterion	max. 0.20 mg/kg	PGCom contractual criterion
Mercury	EU oilseed MRL 0.02 mg/kg	max. 0.01 mg/kg	PGCom contractual criterion; stricter than the EU oilseed MRL of 0.02 mg/kg
Arsenic	PGCom criterion	max. 0.20 mg/kg	PGCom contractual criterion

EU CONFORMITY BASIS

The 2 / 4 µg/kg aflatoxin limits apply to Sortex-cleaned sesame offered as a finished food ingredient. The legal requirements and maximum residue levels in force at dispatch apply to the shipment.

PRODUCT DECLARATIONS

AGRICULTURAL STATUS

Conventional. Product is not represented as organic.

GMO / BIOENGINEERED STATUS

Non-GMO per product declaration; market disclosure requirements apply where relevant.

IRRADIATION STATUS

Not irradiated. Product is not treated with ionising radiation.

ETHYLENE OXIDE TREATMENT

Not used as a treatment for this product.

PLANT ORIGIN

Single-ingredient plant-origin food ingredient.

GLUTEN STATUS

No gluten-containing ingredient is intentionally added.

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SECTION 05 / PACKING AND DOCUMENTATION

05 Packaging, storage and shipment documentation

Specified packing configuration, storage controls, transport conditions, and shipment records.

25 *kg*
FOOD-GRADE BAGS

PACKAGING, STORAGE AND TRANSPORT

REQUIREMENT	SPECIFICATION
Packaging material	New, clean food-grade polypropylene (PP) or paper bags; liner where applicable; components comply with Regulations (EC) 1935/2004 and 2023/2006 and, for plastic materials, Regulation (EU) 10/2011
Unit size / net weight	25 *kg*
Shelf life	24 *months* after packing when stored under the specified conditions
Storage temperature	Cool storage; preferably below 35 °C
Storage environment	Dry and odour-free; relative humidity max. 65%; out of direct sunlight; packaging intact and away from walls
Moisture protection	Protect from water, condensation, humidity, and damaged packaging
Transport	Food-grade, clean, dry, odour-free containers or trucks suitable for food transport
Handling	Keep bags closed and protect from pests, odours, chemicals, and non-food cargo

SHIPMENT DOCUMENTATION SCHEDULE

COMMERCIAL AND ORIGIN	QUALITY AND ANALYTICAL	DECLARATIONS AND TECHNICAL
Commercial Invoice	Certificate of Analysis	Allergen statement: contains sesame
Packing List	Aflatoxin B1 and total-aflatoxin results	Non-GMO Declaration
Bill of Lading	Ethylene oxide / 2-CE and EU pesticide panel	Non-irradiation Declaration
Certificate of Origin	Cadmium and mercury results	Food-contact Declaration of Compliance
Phytosanitary Certificate when required	Microbiology including *Salmonella*	Halal / Kosher documents when contracted

DOCUMENT ALIGNMENT Product name, origin, net weight, batch / lot identity, analytical references, and shipment identifiers must be consistent across the package marks and export document set.

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SECTION 06 / REGULATORY FRAMEWORK

06 EU market regulatory reference and product summary

Principal legal references supporting the market-specific product specification.

EU
MARKET-SPECIFIC REGULATORY BASIS

APPLICABLE REGULATORY BACKBONE

CONTROL AREA	REFERENCE AND APPLICATION
Food law / traceability	Regulation (EC) 178/2002: food safety, operator responsibility, traceability, withdrawal, and recall
Food hygiene	Regulation (EC) 852/2004: hygiene and HACCP-based procedures
Microbiological framework	Regulation (EC) 2073/2005 where a listed food category applies; page 3 values are PGCom contractual criteria
Pesticides / ethylene oxide	Regulation (EC) 396/2005: sesame-seed MRLs and applicable residue definition
Contaminants	Regulation (EU) 2023/915 and Implementing Regulation (EU) 2023/2782: contaminant limits and official-control sampling
Food information / allergens	Regulation (EU) 1169/2011, including Annex II: sesame declaration
GMO / irradiation / gluten	Regulations (EC) 1829/2003 and 1830/2003; Directives 1999/2/EC and 1999/3/EC; Regulation (EU) 828/2014
Food-contact packaging	Regulations (EC) 1935/2004 and 2023/2006; Regulation (EU) 10/2011 for plastic layers
Official / import controls	Regulation (EU) 2017/625. Pakistan-origin sesame is not listed in Annex I or II to Regulation (EU) 2019/1793 as of 10 August 2026; status checked at dispatch

PRODUCT SPECIFICATION SUMMARY

PRODUCT / ORIGIN	Conventional Sortex sesame seeds · Pakistan
COMPOSITION / COLOUR	100% whole sesame seeds · cream
PURITY / FOREIGN MATERIAL	min. 99.95% / max. 0.05%
MOISTURE / OIL / FFA	max. 6.0% / min. 48.0% / max. 2.0%
MARKET FOOD-SAFETY CRITERION	Aflatoxin B1 max. 2.0 $\mu g/kg$; total max. 4.0 $\mu g/kg$
MICROBIOLOGY	*E. coli* <10 CFU/g; *Salmonella* not detected in five 25 g samples (n=5, c=0)
ALLERGEN	CONTAINS SESAME · EU Annex II allergen
PACKING / SHELF LIFE	25 kg food-grade bags / 24 $months$ after packing

CUSTOMER VERIFICATION PATH

01 PRODUCT IDENTITY
02 GRADE CRITERIA
03 MARKET SAFETY
04 CERTIFICATES REQUIRED
05 SHIPMENT FILE

PG COMMODITIES · KARACHI · PAKISTAN · TWO HALVES OF ONE TRADE

END OF SPECIFICATION

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