CONVENTIONAL SORTEX SESAME SEEDS · UNITED STATES OF AMERICA · PGC/SP/SES-SRT/US/R01 · CONVENTIONAL SORTEX SESAME SEEDS · UNITED STATES OF AMERICA · PGC/SP/SES-SRT/US/R01 · CONVENTIONAL SORTEX SESAME SEEDS · UNITED STATES OF AMERICA · PGC/SP/SES-SRT/US/R01 · CONVENTIONAL SORTEX S

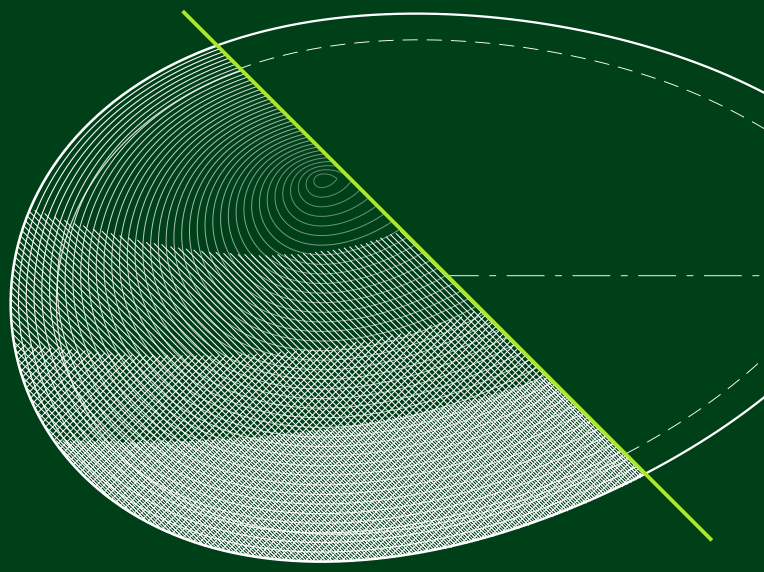
01 · PRODUCT

Conventional Sortex Sesame Seeds

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

PGC/SP/SES-SRT/US/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*

CONTENTS

01 IDENTITY 02
02 SPECIFICATIONS 03
03 NUTRITION, ALLERGENS 04
04 FOOD SAFETY 05
05 PACKING, DOCUMENTS 06
06 REGULATORY BASIS 07

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

CRITERIA	U.S. REFERENCE	PGCOM	BASIS
Total aflatoxins	20 *ppb*	< 15 *ppb*	FDA CPG 555.400 action level, human food
Foreign material	0.5%	max. 0.05%	10× below the 0.5% FDA CPG 525.700 direct-reference level (guidance, not a tolerance)
Salmonella spp.		Not detected	Five 25 *g* samples (n=5, c=0); no positive result permitted
E. coli		< 10 *CFU/g*	PGCom contractual criterion

SUPPLY CHAIN

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

VALID UNTIL CANCELLED OR REPLACED · PG COMMODITIES · KARACHI · PKKHI · VALID UNTIL CANCELLED OR REPLACED · PG COMMODITIES · KARACHI · PKKHI · VALID UNTIL CANCELLED OR REPLACED · PG COMMODITIES · KARACHI · PKKHI · VALID UNTIL CANCELLED OR REPLACED · PG COMMODITIES · KARACHI · PKKHI · VALI

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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 color-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	United States of America

SENSORY CHARACTERISTICS

APPEARANCE	Intact, small oval sesame seeds; clean, optically sorted, and free-flowing
COLOR	Cream
ODOR	Characteristic sesame odor; clean and without foreign odor
FLAVOR	Characteristic sesame flavor; 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 color sorting removes discolored 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 color 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*
Molds and yeasts	≤ 20,000	*CFU/g*
Salmonella spp.	Not detected	Five 25 *g* samples; n=5, c=0; 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 fiber	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	FD&C Act section 403(w) and 21 CFR Part 101.

MAJOR U.S. FOOD ALLERGEN STATUS

FD&C ACT SECTION 403(W) · 21 CFR PART 101

Milk	Not used as ingredient	Eggs	Not used as ingredient
Fish	Not used as ingredient	Crustacean shellfish	Not used as ingredient
Tree nuts	Not used as ingredient	Peanuts	Not used as ingredient
Wheat	Not used as ingredient	Soybeans	Not used as ingredient
Sesame	**Present · product identity**	Other major allergens	None intentionally added

CONTAINS: SESAME

Sesame is present by product identity and is a major U.S. food allergen. It must be identified in applicable product and shipment information; no other major U.S. allergen is intentionally used as an ingredient.

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04

SECTION 04 / FOOD SAFETY

Contaminants and residue control

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

< 15 *ppb*

PGCOM TOTAL AFLATOXIN CRITERION

USA MARKET SPECIFICATION

REFERENCE LEFT · PGCOM RIGHT

PARAMETER	U.S. REFERENCE	PGCOM SPECIFICATION	REGULATORY / CONTRACTUAL BASIS
Total aflatoxins	20 *ppb*	< 15 µg/kg (ppb)	PGCom contractual criterion; FDA CPG 555.400 action level for human food is 20 *ppb*
Aflatoxin B1	No separate level	Included in total; result reported	No separate FDA numerical action level for B1 in this food category
Ethylene oxide	EtO 7 *ppm* · 2-CE 940 *ppm*	Not detected; LOQ ≤ 0.05 *mg/kg*	PGCom lot-release limit (ethylene oxide + 0.55 × 2-chloroethanol); not used as a treatment; 40 CFR 180.151 if present: EtO 7 *ppm*; 2-CE 940 *ppm*
Pesticide residues	40 CFR Part 180	Applicable U.S. tolerances / exemptions	FD&C Act section 408 and 40 CFR Part 180; analyte- and commodity-specific, with no default MRL
Cadmium	PGCom criterion	max. 0.10 *mg/kg*	PGCom contractual criterion
Lead	PGCom criterion	max. 0.20 *mg/kg*	PGCom contractual criterion
Mercury	PGCom criterion	max. 0.01 *mg/kg*	PGCom contractual criterion
Arsenic	PGCom criterion	max. 0.20 *mg/kg*	PGCom contractual criterion
Other contaminants		Applicable U.S. requirements	Product must not be adulterated under the FD&C Act
Foreign material	0.5%	max. 0.05%	10× below the 0.5% FDA CPG 525.700 direct-reference level (guidance, not a tolerance)
Metal / glass / stones		Absent	Hazardous foreign objects not permitted

STRICTER THAN FDA ACTION LEVEL

PGCom's total-aflatoxin criterion is below the FDA 20 *ppb* action level for human food. The applicable test method, sampling basis, and reported result form part of the analytical evidence for 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	Food-grade polypropylene (PP) or paper bags; liner where applicable; components comply with applicable U.S. food-contact authorizations for the intended use
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 odor-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, odor-free containers or trucks suitable for food transport
Handling	Keep bags closed and protect from pests, odors, 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	Total-aflatoxin result	Non-GMO Declaration
Bill of Lading	Ethylene oxide / 2-CE and pesticide-residue report to agreed panel	Non-irradiation Declaration
Certificate of Origin	Cadmium and mercury results	U.S. importer / FSVP support records
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 USA market regulatory reference and product summary

Principal legal references supporting the market-specific product specification.

US

MARKET-SPECIFIC REGULATORY BASIS

APPLICABLE REGULATORY BACKBONE

CONTROL AREA	REFERENCE AND APPLICATION
General food safety	Federal Food, Drug, and Cosmetic Act and Food Safety Modernization Act
CGMP / preventive controls	21 CFR Part 117: current good manufacturing practice and hazard-analysis / risk-based preventive controls
Microbiological framework	FD&C Act adulteration provisions and FSMA controls; page 3 values are PGCom contractual criteria
Pesticide residues	FD&C Act section 408 and 40 CFR Part 180: applicable EPA tolerances and exemptions
Contaminants / aflatoxins	FDA CPG 555.400: 20 *ppb* total-aflatoxin action level for human food; PGCom criterion is <15 *ppb*
Food / allergen labeling	FD&C Act section 403(w) and 21 CFR Part 101: sesame is a major U.S. food allergen
GMO / irradiation / gluten	7 CFR Part 66; 21 CFR Part 179; 21 CFR 101.91 where a voluntary gluten-free claim is made
Food-contact packaging	Applicable authorizations under 21 CFR Parts 174-178 and / or an effective Food Contact Notification
Import controls	21 CFR Part 1 including registration and prior notice. FSVP responsibility rests with the U.S. importer; PGCom supplies verification support

PRODUCT SPECIFICATION SUMMARY

PRODUCT / ORIGIN	Conventional Sortex sesame seeds · Pakistan
COMPOSITION / COLOR	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	Total aflatoxins <15 *ppb*; FDA action level 20 *ppb*
MICROBIOLOGY	*E. coli* <10 *CFU/g*; *Salmonella* not detected in five 25 *g* samples (n=5, c=0)
ALLERGEN	CONTAINS SESAME · major U.S. food 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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