PRODUCT TECHNICAL DATA SHEET · PULSES

Green lentils

ORIGIN
Bulgaria

Green Lentils · Laird and Eston types

REFERENCE	REVISION	DATE	HS CODE
PGC-FT-LEN-BG	01	Nov 8, 2026	0713.40





01 GENERAL IDENTIFICATION

Product	Whole dried green lentils (*Lens culinaris* Medik.)
Commercial types	Laird type (large green) · Eston type (small green)
Variety grown	Actual variety of the lot and its relation to Laird or Eston PENDING
Reference standard	Codex CXS 171-1989, Standard for Certain Pulses
Country of origin	Bulgaria · producing region and cleaning plant PENDING
Crop and size	Crop year of the lot and size in mm PENDING
Sales department	Polo Group Company · the exporter is the producer or operator at origin, named in the contract

02 TECHNICAL DESCRIPTION

Export-grade green lentils, mechanically and optically cleaned, evenly sized for retail and industry (catalog). Laird (1978) and Eston (1980) are Canadian varieties from the Crop Development Centre, University of Saskatchewan: the benchmark large and small green lentils. In trade their names are also used as **commercial types** by size and color; whether the Bulgarian lot is of those varieties is pending confirmation.

Quality reference: in 2022 the Canadian Grain Commission measured green lentils at 26.9% (large) and 27.6% (small) protein on dry matter, with a 100-seed weight of 6.7 g and 3.0 g REFERENCE. Canadian data, not Bulgarian origin data.

CATALOG Polo Group 2026 catalog condition STANDARD legal or regulatory limit

REFERENCE indicative value, not guaranteed PENDING to be confirmed with the exporter

03 ANALYTICAL SPECIFICATIONS

Table 1 · Quality parameters

PARAMETER	VALUE	UNIT	METHOD	STATUS
CATALOG CONDITIONS				
Cleaning	**Mechanical and optical**	—	Plant process	CATALOG
Sizing	**Even**	—	Round-hole sieves	CATALOG
CODEX CXS 171-1989 · LENTILS				
Moisture (tropical climates or long storage)	**≤ 15**	%	ISO 24557	STANDARD
Moisture (temperate climates or short storage)	**≤ 16**	%	ISO 24557	STANDARD
Foreign matter (total)	**≤ 1**	%	Visual examination	STANDARD
— mineral matter	**≤ 0.25**	%	Visual examination	STANDARD
— insects and animal impurities	**≤ 0.10**	%	Visual examination	STANDARD
Major defects	**≤ 1.0**	%	Visual examination	STANDARD
Minor defects (total)	**≤ 7.0**	%	Visual examination	STANDARD
— of which broken	**≤ 3.0**	%	Visual examination	STANDARD
Discolored seeds	**≤ 3.0**	%	Visual examination	STANDARD
Seeds of contrasting color	**≤ 6.0**	%	Visual examination	STANDARD
LENTILS NO. 1 CANADA, OTHER THAN RED · REFERENCE ONLY				
Total damage / heat damage	**≤ 2.0 / 0.2**	%	CGC	REFERENCE
Peeled, split and broken	**≤ 2.0**	%	CGC	REFERENCE
Foreign material / stones	**≤ 0.2 / 0.1**	%	CGC	REFERENCE
CONTRACT PARAMETERS TO BE AGREED WITH THE EXPORTER				
Size (mm) by type	**—**	mm	Round-hole sieves	PENDING
Guaranteed moisture of the lot	**—**	%	ISO 24557	PENDING
Protein	**—**	%	ISO 16634-1 · NIR	PENDING
Live insects	**—**	—	Lot inspection	PENDING

The EU has no specific marketing standard for dried pulses; the Codex Standard is the international reference. Canadian grades belong to another official system (Canadian Grain Commission) and do not guarantee the Bulgarian lot.

04 FOOD SAFETY AND CONTAMINANTS

PARAMETER	LIMIT	REGULATORY REFERENCE	STATUS
Cadmium (Cd)	**≤ 0.040 mg/kg**	Reg. (EU) 2023/915 · pulses	STANDARD
Lead (Pb)	**≤ 0.20 mg/kg**	Reg. (EU) 2023/915 · pulses	STANDARD
Toxic or noxious seeds	**Free from**	Codex CXS 171 · crotalaria, corn cockle, castor bean, jimson weed	STANDARD
Pesticide residues	**MRL**	Reg. (EC) 396/2005 · Codex MRLs for other destinations	STANDARD
Mycotoxins	**—**	Codex CXS 171 refers to Codex limits · lot value	PENDING
Lot analysis (residues, metals)	**—**	Certificate of analysis per lot	PENDING

Allergens. Lentils are not listed among the allergens in Annex II of Regulation (EU) No 1169/2011. Risk of cross-contamination with gluten, soy or mustard at the cleaning plant PENDING

GMO. Exporter's declaration that the product is not genetically modified PENDING

05 CERTIFICATIONS

CERTIFICATION	SCOPE	STATUS
IFS Food · BRCGS · FSSC 22000	Food safety system of the cleaning and packing plant	PENDING
HACCP	Hazard analysis and critical control points plan	PENDING
Organic (EU)	Certified lots only	PENDING
Phytosanitary certificate	Only for non-EU destinations that require it	PER SHIPMENT
Quality and weight certificate	Per shipment, issued by an independent inspector (SGS or equivalent)	PER SHIPMENT

No certification is considered confirmed until a current copy of the certificate in the name of the plant or the exporter is received.

06 PACKAGING

Packaging (catalog)	25 and 50 kg PP bags · big bags
Requirements (Codex CXS 171)	Clean, strong bags, well sewn or sealed; materials that do not transfer toxic substances or odors
Big bag capacity and liner	PENDING
Marking	Product, type, net weight, lot, crop year and origin · neutral or branded PENDING

07 COMMERCIAL AND LOGISTICS TERMS

Table 2 · Commercial and logistics

ITEM	CONDITION	STATUS
Presentation	Green lentils, Laird / Eston type · mechanically and optically cleaned · sized	CATALOG
Packaging	25 and 50 kg PP bags · big bags	CATALOG
Palletizing	Bags per pallet or floor-loaded	PENDING
Container	20′	CATALOG
Capacity	±24 t per 20′ container (≈ 960 bags of 25 kg or 480 bags of 50 kg)	CATALOG
Incoterms® 2020	FOB · CFR · CIF depending on destination	CATALOG
Port or place of loading	Named in the contract	PENDING
Price and availability	On request · weekly quote at origin market prices	CATALOG
Documents	Commercial invoice · packing list · transport document (B/L or CMR) · certificate of analysis of the lot · quality and weight certificate (SGS or equivalent) · outside the EU: certificate of origin, phytosanitary certificate and fumigation certificate if required by the destination	BY DESTINATION

Bulgaria is an EU Member State: shipments to other EU countries move without customs formalities. The number of bags per container is calculated from the catalog load (24,000 kg ÷ 25 or 50 kg).

08 STORAGE AND SHELF LIFE

- Clean, dry, cool and ventilated warehouse with pest control; bags on pallets, away from walls and floor.
- Protect from direct sunlight, heat and strong odors.
- Keep moisture within specification; the Codex Standard sets the strictest limit (15%) for long storage.
- Shelf life and storage conditions guaranteed by the exporter PENDING

09 ADDITIONAL INFORMATION

Red lentils. The catalog also includes whole and split red lentils. That is a different product, with its own specifications, and is not covered by this sheet.

Origin. No recent official data were found on lentil area and production in Bulgaria or on the varieties grown; they will be completed with the exporter's information PENDING

References. Codex CXS 171-1989 · Canadian Grain Commission (lentil grades and 2022 quality report) · Regulations (EU) 2023/915, 1169/2011 and (EC) 396/2005 · ISO methods.

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