PRODUCT TECHNICAL DATA SHEET · GRAINS AND FLOUR

Wheat

ORIGIN
Ukraine

Milling Wheat · Bohdana variety

REFERENCE	REVISION	DATE	HS CODE
PGC-FT-TRI-UA	01	11/08/2026	1001.99





01 GENERAL IDENTIFICATION

Product	Soft milling wheat, whole grain (*Triticum aestivum* L.)
Variety	Bohdana · soft winter wheat · varietal purity of the lot PENDING
Origin standard	DSTU 3768:2019 “Wheat. Specifications” (Ukraine) · contract class PENDING
Country of origin	Ukraine · producing region and origin silo PENDING
Crop	Season and crop year of the lot PENDING
Intended use	Milling for bread flour
Sales department	Polo Group Company · the exporter is the producer or trader at origin, named in the contract

02 TECHNICAL DESCRIPTION

Ukrainian soft milling wheat, with protein content adjustable to the buyer’s specification as per the catalog. In Ukraine, wheat is graded under standard DSTU 3768:2019 into four classes: classes 1 to 3 are for food, milling and baking, and export, and class 4 allows food, non-food and export use. The class is set by the least favorable indicator.

Bohdana variety. Soft winter wheat bred by the National Academy of Agrarian Sciences of Ukraine (NAAS), registered in 2006, of “strong” quality and recommended for Polesia, the Forest-Steppe and the Steppe. Seed suppliers state protein of 12.5 to 14.8%, wet gluten of 26.6 to 32.3%, W strength of 241 to 364 and a thousand-kernel weight of 44 to 50 g REFERENCE. These describe the variety; they are not guaranteed lot values.

CATALOG Polo Group 2026 catalog condition STANDARD legal or regulatory limit

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

03 ANALYTICAL SPECIFICATIONS

Table 1 · Grain quality parameters

PARAMETER	VALUE	UNIT	METHOD	STATUS
CATALOG CONDITIONS				
Protein	**10.5–12.5**	%	ISO 20483 · ISO 16634-2	CATALOG
Moisture	**≤ 14.0**	%	ISO 712	CATALOG
DSTU 3768:2019 CLASSES · CLASS 2 / CLASS 3				
Protein (dry matter)	**≥ 12.5 / ≥ 11.0**	%	ISO 20483 · ISO 16634-2	STANDARD
Test weight	**≥ 750 / ≥ 730**	g/L	ISO 7971-3	STANDARD
Falling number (Hagberg)	**≥ 220 / ≥ 180**	s	ISO 3093	STANDARD
Wet gluten	**≥ 23.0 / ≥ 18.0**	%	ISO 21415-2	STANDARD
Gluten quality (IDK)	**45–100**	IDK units	DSTU method	STANDARD
Vitreousness	**≥ 40 / —**	%	DSTU method	STANDARD
Moisture	**≤ 14.0**	%	ISO 712	STANDARD
Grain impurities	**≤ 8.0**	%	ISO 7970	STANDARD
Broken kernels	**≤ 5.0**	%	ISO 7970	STANDARD
Sprouted kernels	**≤ 3.0**	%	ISO 7970	STANDARD
Foreign matter	**≤ 2.0**	%	ISO 7970	STANDARD
— of which mineral matter	**≤ 0.5**	%	ISO 7970	STANDARD
Fusarium-damaged kernels	**≤ 0.3 / ≤ 0.5**	%	DSTU method	STANDARD
Harmful impurities	**≤ 0.1 / ≤ 0.2**	%	DSTU method	STANDARD
Sunn pest-damaged kernels	**≤ 2**	%	DSTU method	STANDARD
Flour strength (W)	**≥ 160 / ≥ 130**	—	ISO 27971	STANDARD
CONTRACT PARAMETERS TO BE DEFINED				
Protein calculation basis	**—**	—	—	PENDING
Sedimentation (Zeleny)	**—**	mL	ISO 5529	PENDING

DSTU 3768:2019 values as reproduced in a Ukrainian academic publication (2020). Sunn pest damage and W strength are not class-determining indicators. Note: 10.5% protein on a dry-matter basis is below the class 3 minimum (11.0%) and would fall under class 4; the class and the calculation basis must be set in the contract.

04 FOOD SAFETY AND CONTAMINANTS

PARAMETER	LIMIT	REGULATORY REFERENCE	STATUS
Deoxynivalenol (DON)	**≤ 1,000 µg/kg**	Reg. (EU) 2023/915, amended by 2024/1022 · unprocessed cereals	STANDARD
Zearalenone	**≤ 100 µg/kg**	Reg. (EU) 2023/915 · unprocessed soft wheat	STANDARD
Ochratoxin A	**≤ 5.0 µg/kg**	Reg. (EU) 2023/915 · unprocessed cereals	STANDARD
Aflatoxin B1 / sum of B1, B2, G1, G2	**≤ 2.0 / 4.0 µg/kg**	Reg. (EU) 2023/915 · cereals	STANDARD
Ergot sclerotia	**≤ 0.2 g/kg**	Reg. (EU) 2023/915 · unprocessed cereals	STANDARD
T-2 and HT-2 toxins	**—**	Reg. (EU) 2023/915 · lot value	PENDING
Lead (Pb)	**≤ 0.20 mg/kg**	Reg. (EU) 2023/915 · cereals	STANDARD
Cadmium (Cd)	**—**	Reg. (EU) 2023/915 · lot value	PENDING
Pesticide residues	**MRL**	Codex MRLs · Reg. (EC) 396/2005 if the destination is the EU	STANDARD
Radioactivity	**—**	Certificate only if required by the destination country	PENDING

EU limits apply to wheat marketed in the European Union; for other destinations the importing country's rules apply. Codex Code of Practice CXC 51-2003 sets out good practices to prevent mycotoxins in cereals.

Allergens. Wheat is a source of gluten, an allergen listed in Annex II of Regulation (EU) No 1169/2011, and must be declared on the labeling of its derived products.

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

05 CERTIFICATIONS

CERTIFICATION	SCOPE	STATUS
ISO 22000 / FSSC 22000	Food safety system of the export silo or terminal	PENDING
HACCP	Hazard analysis and critical control points plan	PENDING
Phytosanitary certificate	Per shipment, issued by the plant protection authority of Ukraine	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 exporter or the silo is received.

06 PACKAGING

Packaging	Bulk · big bags · 50 kg bags
Bag and big bag material	Fabric type, inner liner and big bag capacity PENDING
Marking	Product, net weight, lot, crop year and origin · neutral or branded design PENDING

07 COMMERCIAL AND LOGISTICS TERMS

Table 2 · Commercial and logistics

ITEM	CONDITION	STATUS
Presentation	Whole-grain milling wheat · protein 10.5–12.5% · moisture max. 14%	CATALOG
Packaging	Bulk · big bags · 50 kg bags	CATALOG
Palletizing	Bags per pallet and pallets per container	PENDING
Container	Bulk vessel or container · type and size	PENDING
Capacity and volume	Minimum volume by season, on request · load per container PENDING	CATALOG
Incoterms® 2020	FOB · CFR · CIF depending on destination	CATALOG
Port of loading	Named in the contract · see logistics note	PENDING
Price and availability	On request · weekly quote at origin market prices	CATALOG
Documents	Commercial invoice · packing list · bill of lading (B/L) · certificate of origin (EUR.1 or origin declaration where EU–Ukraine preference applies) · phytosanitary certificate · quality and weight certificate (SGS or equivalent) · mycotoxin analysis · fumigation and radioactivity certificates if required by the destination	BY DESTINATION

08 STORAGE AND SHELF LIFE

- Clean, dry, ventilated silo or warehouse, protected from rain, with pest control.
- Grain moisture ≤ 14.0% (catalog and DSTU 3768:2019); monitor temperature and aeration to prevent heating and mold.
- Mycotoxin prevention in storage according to Codex Code of Practice CXC 51-2003.
- Shelf life and storage conditions guaranteed by the exporter PENDING

09 ADDITIONAL INFORMATION

Origin. In July 2026 the Ukrainian Grain Association (UGA) estimated the wheat crop at 23.7 million t and exports of up to 18 million t in 2026/27, provided the deep-water ports of Greater Odesa operate fully REFERENCE.

Logistics. Attacks on port infrastructure and ships affect the ports of Odesa, Chornomorsk and Pivdennyi, and part of the exports is diverted to the Danube ports (Izmail and Reni). The port of loading, freight and marine insurance are confirmed for each operation.

References. DSTU 3768:2019 (Ukraine) · Regulations (EU) 2023/915, 2024/1022, 1169/2011 and (EC) 396/2005 · Codex CXC 51-2003 · ISO methods.

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