PRODUCT TECHNICAL DATA SHEET · SUGAR

VHP Brown Sugar

ORIGIN
Brazil

Raw Cane Sugar · VHP (Very High Polarization)

REFERENCE	REVISION	DATE	HS CODE
PGC-FT-AZVHP-BR	01	Nov 8, 2026	1701.14





01 GENERAL IDENTIFICATION

Product	VHP raw cane sugar, ICUMSA color 600–1,200 IU
Name at origin	Açúcar VHP · Cristal Bruto class (IN MAPA No. 47/2018)
Raw material	Sugarcane (*Saccharum* spp., commercial hybrids)
Country of origin	Brazil · producing region and mill PENDING
Use group (IN 47/2018)	Group I (direct consumption) or Group II (industry) · per contract PENDING
Intended use	Refining and food industry; direct consumption subject to the rules of the destination
Sales department	Polo Group Company · the exporter is the origin mill, named in the contract

02 TECHNICAL DESCRIPTION

Unrefined cane sugar with light brown crystals that keep part of the molasses. IN MAPA No. 47/2018 defines VHP sugar as raw sugar with a polarization above 99.0 °Z; international trade usually specifies it between 99.0 and 99.49 °Z. Above 99.49 °Z it is called VVHP. It is the main type of raw sugar exported by Brazil and goes mostly to refineries, where it is turned into white sugar.

Note on the catalog. The catalog presents this product as “Natural brown · VHP” and “ideal for baking, beverages and the food industry”. VHP is a raw sugar sold mainly for refining; its sale for direct consumption depends on the rules of the destination country and must be confirmed in each transaction. “Natural brown” sugar is a different product and is not covered by this sheet.

CATALOG Polo Group 2026 catalog condition STANDARD legal or regulatory limit

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

03 ANALYTICAL SPECIFICATIONS

Table 1 · Physicochemical parameters

PARAMETER	VALUE	UNIT	METHOD	STATUS
CATALOG CONDITIONS				
Color in solution (420 nm)	**600–1,200**	ICUMSA IU	ICUMSA GS1/3-7	CATALOG
VHP TYPE · IN MAPA NO. 47/2018 (BRAZIL)				
Polarization	**> 99.00**	°Z	ICUMSA GS1/2/3/9-1	STANDARD
Moisture (loss on drying)	**≤ 0.25**	% m/m	ICUMSA GS1/2/3/9-15	STANDARD
Maximum legal ICUMSA color	**≤ 2,500**	ICUMSA IU	ICUMSA GS1/3-7	STANDARD
Conductivity ash	**≤ 0.25**	% m/m	ICUMSA GS1/3/4/7/8-13	STANDARD
MARKET REFERENCE				
Usual VHP polarization	**99.0–99.49**	°Z	ICUMSA GS1/2/3/9-1	REFERENCE
ICE No. 11 contract basis	**96**	°Z	—	REFERENCE
CONTRACT PARAMETERS TO BE AGREED WITH THE MILL				
Guaranteed polarization	**—**	°Z	ICUMSA GS1/2/3/9-1	PENDING
Guaranteed moisture	**—**	% m/m	ICUMSA GS1/2/3/9-15	PENDING
Guaranteed ash	**—**	% m/m	ICUMSA GS1/3/4/7/8-13	PENDING
Reducing sugars	**—**	% m/m	ICUMSA method	PENDING
Grain size	**—**	mm	ICUMSA method	PENDING
Sulfur dioxide (SO_2)	**—**	mg/kg	ICUMSA method	PENDING
Appearance and odor	**Light brown crystals, no off-odors**	—	Sensory evaluation	REFERENCE

IN MAPA No. 47/2018, Annexes I (Group I) and II (Group II): the limits for the VHP type are the same in both groups. The catalog color range (600–1,200 IU) is within the legal maximum (2,500 IU). The usual polarization of 99.0–99.49 °Z comes from the S&P Global Platts methodology; raw sugar contracts may apply premiums or discounts for polarization over the 96 °Z basis PENDING.

Guaranteed value vs. reference. Only the values stated in the specification signed by the mill and in the lot's certificate of analysis, verifiable by SGS or another independent body at origin, are guaranteed.

04 FOOD SAFETY AND CONTAMINANTS

PARAMETER	LIMIT	REGULATORY REFERENCE	STATUS
Lead (Pb)	**≤ 0.10 mg/kg**	ANVISA IN No. 160/2022 · "Açúcares" (sugars)	STANDARD
Total arsenic (As)	**≤ 0.10 mg/kg**	ANVISA IN No. 160/2022 · "Açúcares" (sugars)	STANDARD
Pesticide residues	**MRL**	Codex MRLs · Reg. (EC) 396/2005 if the destination is the EU	STANDARD
Microbiology (molds, yeasts, pathogens)	—	Depending on use and the rules of the destination	PENDING
Magnetic particles	—	Not set for the VHP type in IN 47/2018 · lot value	PENDING
Radioactivity	—	Certificate only if required by the destination country	PENDING

Allergens. Cane sucrose is not among the allergens listed in Annex II of Regulation (EU) No 1169/2011. Sulfite content of the lot: PENDING

GMO. Brazil has authorized the cultivation of genetically modified sugarcane since 2017. Mill's declaration that the product is not genetically modified: PENDING

05 CERTIFICATIONS

CERTIFICATION	SCOPE	STATUS
FSSC 22000 / ISO 22000	Food safety management system of the mill	PENDING
HACCP	Hazard analysis and critical control points plan	PENDING
Bonsucro	Sustainable production of sugarcane and sugar	PENDING
Halal · Kosher	Depending on the destination market	PENDING
Facility registration	Registration of the exporting mill with MAPA (Brazil)	PENDING

No certification is considered confirmed until a current copy of the certificate issued in the mill's name is received. A distinction is made between certification of the facility and the quality certificate of each lot.

06 PACKAGING

Packaging (catalog)	PP bags of 50 kg · big bags of 1,000 kg
Material requirements	New, clean, food grade, protecting against contamination and moisture
Inner bag (PE liner)	PENDING
Bag marking	Product, net weight, lot, production date and "Product of Brazil" · neutral or branded design PENDING

07 COMMERCIAL AND LOGISTICS TERMS

Table 2 · Commercial and logistics

ITEM	CONDITION	STATUS
Presentation	VHP raw cane sugar · ICUMSA 600–1,200	CATALOG
Packaging	PP bags 50 kg · big bags 1,000 kg	CATALOG
Palletizing	Pallet type, bags per pallet or floor-loaded without pallets	PENDING
Container	20'	CATALOG
Capacity	±26 t per 20' container (≈ 520 bags of 50 kg or 26 big bags)	CATALOG
Incoterms® 2020	FOB · CFR · CIF depending on destination	CATALOG
Port of loading	Named in the contract · Santos (Center-South) and Maceió (North-Northeast) are the reference FOB bases for Brazilian VHP	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 · certificate of analysis of the lot · quality and weight inspection certificate (SGS or equivalent) · fumigation certificate and health certificates depending on the destination country	BY DESTINATION

The number of bags and big bags per container is calculated from the load stated in the catalog (26,000 kg ÷ 50 kg or 1,000 kg). VHP is also exported in bulk by vessel, outside the scope of the catalog.

08 STORAGE AND SHELF LIFE

- Clean, dry, ventilated warehouse, free of chemicals and strong odors; bags on pallets, away from walls and floor.
- Raw sugar is hygroscopic: avoid moisture and sudden changes in temperature, which cause caking.
- Protect from direct sunlight and weather; dry, clean container.
- Shelf life and storage conditions guaranteed by the mill PENDING

09 ADDITIONAL INFORMATION

Origin. In Brazil's Center-South region, the main producing area, the harvest runs from April to November; in the North-Northeast, from September to March. Brazilian VHP is exported mainly to the Middle East, North Africa, Indonesia and China, and is priced as a premium over the ICE Sugar No. 11 futures contract REFERENCE.

References. IN MAPA No. 47/2018 (Brazil) · ANVISA IN No. 160/2022 · ICE Sugar No. 11 contract · S&P Global Platts methodology · Regulations (EU) No 1169/2011 and (EC) No 396/2005 · ICUMSA methods.

Polo Group Company · Sales Department
Rafael Polo Ruiz, CEO & Founder · rafael.polo@pologroupcompany.com · +34 629 85 99 19
pologroupcompany.com · Villarrobledo · Albacete · Spain