

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	Organic Cane Sugar - XHP	<b>Best By:</b>	March 17, 2026
<b>Lot Number:</b>	12170323	<b>Produced:</b>	March 17, 2023
<b>Part Number:</b>	10006, 10007, 10011	<b>Date of approval:</b>	March 30, 2023
<b>Country of Origin:</b>	Brazil	<b>Approved by:</b>	Jl
<b>Date of Issue:</b>	March 19, 2023		

CHEMICAL-PHYSICAL CHARACTERISTIC	SPECIFICATION	RESULT	UNIT OF MEASURE	METHOD
ICUMSA Color	≤ 350	292	IU	ICUMSA GS9/1/2/3-8 (2011)
Appearance	Characteristic	Characteristic	In 500g	CTC-LA-MT1-022 (2013)
Taste	Characteristic	Characteristic	In 100g	CTC-LA-MT1-023 (2013)
Odor	Characteristic	Characteristic	In 100g	CTC-LA-MT1-024 (2013)
Crystal Size Average	0.3 – 0.8	0.62	mm	ICUMSA GS2/9–37 (2007)
Coefficient of Variation of Crystal Size	≤ 30	24.8	%	ICUMSA GS2/9–37 (2007)
Polarization	99.5 – 99.8	99.69	ºZ	ICUMSA GS1/2/3/9-1 (2011)
Inverted Sugar	≤ 0.10	<0.10	%	CTC-LA-MT1-021 V4
Moisture	≤ 0.10	0.04	%	ICUMSA GS2/1/3/9-15 (2007)
Insoluble Residues	≤ 50	25	mg/kg	ICUMSA GS2/3/9–19 (2007)
Ash	≤ 0.10	0.06	%	ICUMSA GS1/3/4/7/8–13 (1994)
Black Dots*	≤ 5	3	Nº/100g	CTC-LA-MT1-002 V4
Dextran	≤ 150	<40	mg/kg	ICUMSA GS1/2/9-15 (2015)
MICROBIOLOGICAL CHARACTERISTIC	SPECIFICATION	RESULT	UNIT OF MEASURE	METHOD
Aerobic Plate Count	< 100	<10	CFU/g	ICUMSA GS2/3-41 (2011) or ISO4833-1:2013
Yeast	< 10	<10	CFU/g	APHA 5 <sup>th</sup> Ed. 2015
Mold	< 10	<10	CFU/g	APHA 5 <sup>th</sup> Ed. 2015
Enterobacteriaceae	< 10	<10	CFU/g	ISO 21528-2:2017
Total Coliforms	< 10	<10	CFU/g	APHA 5 <sup>th</sup> Ed. 2015
Fecal Coliforms	< 10	<10	CFU/g	APHA 5 <sup>th</sup> Ed. 2015
Escherichia coli	< 10	<10	CFU/g	APHA 5 <sup>th</sup> Ed. 2015
Thermophilic Aerobic Spore Formers	< 50	<10	CFU/g	APHA 5 <sup>th</sup> Ed. 2015/ICUMSA
Salmonella	Negative	Negative	per 25g	APHA 5 <sup>th</sup> Ed. 2015
HEAVY METAL MONITORING	SPECIFICATION	RESULT	UNIT OF MEASURE	METHOD
Lead	≤ 0.10	0.05	mg/kg	ICUMSA GS2/3-24 (1998) or AACC 40-70.01
Arsenic	≤ 0.10	0.05	mg/kg	ICUMSA GS2/3/9-25 (2007) or AACC 40-70.01
Mercury	≤ 0.01	0.0001	mg/kg	ICUMSA GS9/12-23 (2017) or AACC 40-70.01
Copper	≤ 2.00	0.05	mg/kg	ICUMSA GS2/3-29 (1994) or AACC 40-75.01

\* Black dots are dark particles visible to the naked eye, including magnetic particles, burnt sugar crystals and also dark-brown caramelized sugar crystals.

**Statement of Compliance for Pesticides:** Certified in compliance with NOP, EU, and SKAL organic regulations, as such this product complies with all pesticide requirements set forth by the United States Department of Agriculture's (USDA) National Organic Program (NOP) and the European Union's Council Regulation (EC) No 834/2007 and (EC) No 2018/848.

**Lot Code Interpretation:** 12 (sugar type), 31 (packing day), 05 (packing month), 20 (packing year) = May 31, 2020 / Best By 31 May 2023. NOTE: Lot traceability is controlled by the Lot Number (recorded on the COA and each package).

**Certifications:**

Organic certified by International Certification Services, Inc. and/or Ecocert S.A. Certified organic by Stichting (NL-BIO-01) SKAL # 023144 . Fair Trade Certified by IBD Certified in compliance with the terms of the US/Canada Organic Equivalency Agreement. Non-GMO Project Verified.  
Produced by BRC certified sugar mill (BRC site code: 1265032) - Grade AA.  
Kosher certified. Master certificates available upon request.  
Produced in Brazil by Usina Sao Francisco S.A., Rod. Carlos Tonani, Km 97.5, CEP: 14174-000, Sertaozinho-SP, Brazil



**DISCLAIMER:** The results stated in this Certificate of Analysis are based on laboratory testing performed on a representative sample drawn from stated lot. Due to the nature of processing and testing methods, actual tests results may vary.