

CERTIFICATE OF ANALYSIS

Product Name: Organic Cane Sugar - HP
Lot Number: 13160519 **Best By:** 16/05/2022 (dd/mm/yy)
 Part Number: 10002, 10003
 Country of Origin: Brazil
 Date of Issue: June 13, 2019 by BK

CHEMICAL-PHYSICAL CHARACTERISTIC	SPECIFICATION	RESULT	UNIT OF MEASURE	METHOD
ICUMSA Color	350 - 600	407	IU	ICUMSA GS9/1/2/3-8 (2011)
Crystal Size Average	0.3 - 0.8	0.72	mm	ICUMSA GS2/9-37 (2007)
Coefficient of Variation of Crystal	≤ 30	24	%	ICUMSA GS2/9-37 (2007)
Polarization	99.5 - 99.8	99.66	°Z	ICUMSA GS1/2/3/9-1 (2011)
Inverted Sugar	≤ 0.10	<0.1	%	CTC-LA-MT1-021 V4
Moisture	≤ 0.10	0.03	%	ICUMSA GS2/1/3/9-15 (2007)
Insoluble Residues	≤ 50	48	mg/kg	ICUMSA GS2/3/9-19 (2007)
Ash	≤ 0.15	0.03	%	ICUMSA GS1/3/4/7/8-13 (1994)
Black Dots*	≤ 5	3	N°/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
Total Mesophilic Plate Count	< 100	<10	CFU/g	ICUMSA GS2/3-41 (2011)
Yeast	< 10	<10	CFU/g	APHA 5 th Ed. 2015
Mold	< 10	<10	CFU/g	APHA 5 th Ed. 2015
Mesophilic Bacteria	< 100	<10	CFU/g	ICUMSA GS2/3-41 (2011)
Total Coliforms	< 10	<10	CFU/g	APHA 5 th Ed. 2015
Fecal Coliforms	< 10	<10	CFU/g	APHA 5 th Ed. 2015
Escherichia coli	< 10	<10	CFU/g	APHA 5 th Ed. 2015
Thermophilic Aerobic Spore	< 50	15	CFU/g	APHA 5 th Ed. 2015
Salmonella	Negative	Negative	per 25g	APHA 5 th Ed. 2015
HEAVY METAL MONITORING	SPECIFICATION	RESULT	UNIT OF MEASURE	METHOD
Lead	≤ 0.10	0	mg/kg	ICUMSA GS2/3-24 (1998)
Arsenic	≤ 0.10	0	mg/kg	ICUMSA GS2/3/9/25 (2007)
Mercury	≤ 0.01	0	mg/kg	ICUMSA GS9/12 (2017)
Copper	≤ 2.00	0.06	mg/kg	ICUMSA GS2/3-29 (1994)

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

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.

Lot Code Interpretation:

Example: 13310518 - Best By 31/05/2021

Lot interpretation 13 (sugar type), 31 (packing day), 05 (packing month), 18 (packing year) = May 31, 2018 / Best By 31 May

NOTE: Lot traceability is controlled by the Lot Number (recorded on the COA and each package).

Certifications:

Organic certified by International Certification Services, Inc. Skal certified. Fair Trade Certified by IBD Certifications. Certified in compliance with the US/Canada Organic Equivalency Agreement. Non-GMO Project Verified. BRC certified sugar mill (BRC site code: 126503). 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 test results may vary.

Revision History:

History-GO-QA-RF-10.21.04.doc

Date issued: 10/17/2018 (CM) Rev. 22