

CERTIFICATE OF ANALYSIS (COA)	PLAN INTERNATIONAL BRAZIL LABORATORY TEST ANALYSIS REPORT	Reservation Date: 21/06/2022 Reservation #: SUGAR-BR062122 No # of Pages: 1/1
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REPORT OF ANALYSIS

PRINCIPAL : LUIS MARTINEZ
 SUBJECT : Refined
 White Sugar Cane ICUMSA 45 Origin: Brazil
 DATE RECEIVED : June 21, 2022
 TESTED FOR : Purity
 DESCRIPTION OF SAMPLE : 1 (one) Sample from 10%
 random selection

SAMPLE IDENTIFICATION : Code 0044

REFERENCE :

LAB.AKU0622.2022

DATE OF REPORT : June 28, 2022

Specification ICUMSA 45

1. Polarization: 97.8 degree to 99.2 degree.
2. Ash Content: 0.15 % max.
3. Color ICUMSA 45 typical.
4. Solubility: 95%, Free flowing.
5. Color: White.
6. Radiation: Within internationally acceptable limits.
7. Granulation: 0.6 mm of regular square (medium size).
8. Moisture: 0.15% max.
9. Magnetic Particles: 10 MG/K.
10. So₂: 120 MG/K.
11. Sulfur Dioxide: 60 MG/K MIN.
12. Smell: Free from unusual or abnormal smells.
13. Reducing Sugar: 0.05% MAX by weight.
14. HPN Staph Aurelius: NIL.
15. MAX AS: 1 P.P.M, MAX PS: 2 P.P.M. MAX CU: 3 P.P.M.

TEST RESULT:

Trial	Method	Specifications
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Appearance	Internal method	White solid uniform crystalline free from extraneous matter
Max. Arsenic (mg/kg)	External analysis	1
Max. Lead (mg/kg)	External analysis	1
Max. Conductimetric ash(% m/m)	Internal method	4
Max. copper (mg/kg)	External analysis	2
Max. total coliforms (NMP)	Internal method	(*) Absent (5)
Max. color (UI)	Internal method	Available in two colors: 20 45
Max. iron (mg/kg)	External analysis	10
Max. mercury (mg/kg)	External analysis	5
Black spots (Nº/ 100g)	Internal method	5
Insoluble residue (Maximum Level)	Internal method	5
Taste and Smell	Internal method	Characteristic and free from unpleasant taste and smell
Sucrose % (polarization °Z) min	Internal method	99.80
Max. moisture (% m/m)	Internal method	4

***) IN House and Third Party - 2022**

This test result(s) related to the sample(s) submitted only and report/certificate cannot be reproduced

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LABORATORY CHIEF MARCOS ROBERTO	LABORATORY QUALITY MANAGER SILVA DOS SANTOS
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