

## **BRAZILIAN REFINED ICUMSA 45 WHITE SUGAR**



### **1. PRODUCT**

Refined ICUMSA 45 Sugar: White Crystalline Powder.

### **2. CROP YEAR**

2021

### **3. SPECIFICATIONS**

**NOTE:** SAMPLES CHOSEN AT RANDOM FROM THE LOT. THE SUB SAMPLES WERE COMPOSITED INTO ONE SAMPLE FOR ANALYSIS. HOWEVER, THEY WERE ANALYZED SEPARATELY IN THE CASE OF A CLAIM.

<b>S/N</b>	<b>PARAMETERS</b>	<b>LIMITS</b>
1.	POLARIZATION AT 20°C:	99.90 %
2.	MOISTURE	0.02
3.	COLOR	45 I.U MAXIMUM
4.	ASH CONTENT (W/W):	0.01% MAXIMUM
5.	Fe:	1 mg / KG MAXIMUM
6.	As:	1 mg / KG MAXIMUM
7.	Pb:	0.1 mg / KG MAXIMUM
8.	Cu:	1 mg / KG MAXIMUM
9.	TURBIDITY	20 A.U MAXIMUM
10.	SUBSTANCE:	SOLID CRYSTAL
11.	INVERT SUGAR:	0.03 % MAXIMUM
12.	SEDIMENTS:	NONE
13.	SMELL:	FINE
14.	SO <sub>2</sub> :	5mg / KG MAXIMUM

S/N	PARAMETER	UNIT	TEST METHOD	SPECIFICATION	RESULT
1	Bulk Density	g/ml	SASTA 8.16 (2005)	0.8000 – 0.8900	0.8720
2	Mean Aperture (MA)	mm	SASTA 8.11 (2005)	0.50 – 0.65	0.64
3	Co-efficient of Variation (CV)	%	SASTA 8.11 (2005)	≤ 35	24
4	Vitamin A Content	IU/Kg	I-CHECK FLUORO	25,000 min	30,000

#### 4. MICROBIOLOGICAL ANALYSIS

S/N	PARAMETER	UNIT	TEST METHOD	SPECIFICATION	RESULTS
1	Total Plate Count	cfu/g	AACC Method 42-11	200 / 10g	NIL
2	Yeast	cfu/g	AACC Method 42-50	10 / 10 g	NIL
3	Mold	cfu/g	AACC Method 42-50	10 /10 g	NIL
4	Coliforms	cfu/g	AACC Method 42-15	Nil	NIL
	Salmonella	cfu/g	AACC Method 42-15	0 / 25 g	NIL
6	Pesudomonas	cfu/g	AACC Method 42-15	Nil	NIL

#### 5. NUTRITION INFORMATION (Amounts per 1 cup - 200 g)

##### 6. Calorie Information

Amounts Per Selected Serving		%DV
Calories	774 (3241 kJ)	39 %
From Carbohydrate	774 (3241 kJ)	
From Fat	0.0 (0.0 kJ)	
From Protein	0.0 (0.0 kJ)	
From Alcohol	0.0 (0.0 kJ)	

##### 6. Carbohydrates

Amounts Per Selected Serving		%DV
Total Carbohydrate	200 g	67 %
Dietary Fiber	0.0 g	0 %
Starch	~	
Sugars	200 g	



**COSAN S.A INDÚSTRIA E COMÉRCIO**

CNPJ 50.746.577/0001-15

NIRE 35.300.177.045

Companhia Aberta

Sucrose	~	
Glucose	~	
Fructose	~	
Lactose	~	
Maltose	0.0 mg	
Galactose	0.0 mg	

**6. Fats & Fatty Acids**

<b>Amounts Per Selected Serving</b>		<b>%DV</b>
Total Fat	0.0 g	0 %
Saturated Fat	0.0 g	0 %
Monounsaturated Fat	0.0 g	
Polyunsaturated Fat	0.0 g	
Total trans fatty acids	0.0 g	
Total trans-monoenoic fatty acids	0.0 g	
Total trans-polyenoic fatty acids	0.0 g	
Total Omega-3 fatty acids	0.0 mg	
Total Omega-6 fatty acids	0.0 mg	

**6. Vitamins**

<b>Amounts Per Selected Serving</b>		<b>%DV</b>
Vitamin A	0.0 IU	0%
Vitamin C	0.0 mg	0%
Vitamin D	~	~
Vitamin E (Alpha Tocopherol)	0.0 mg	0%
Vitamin K	0.0 mg	0%
Thiamin	0.0 mg	0%
Riboflavin	0.0 mg	2%
Niacin	0.0 mg	0%
Vitamin B6	0.0 mg	0%
Folate	0.0 mcg	0%
Vitamin B12	0.0mcg	0%
Pantothenic Acid	0.0 mg	0%
Choline	0.0 mg	
Betaine	~	



#### 6. Minerals

Amounts Per Selected Serving		%DV
Calcium	2.0mg	0%
Iron	0.0mg	0%
Magnesium	0.0mg	0%
Phosphorus	0.0mg	0%
Potassium	4.0mg	0%
Sodium	0.0mg	0%
Zinc	0.0mg	0%
Copper	0.0mg	0%
Manganese	0.0mg	0%
Selenium	1.2mcg	2%
Fluoride	2.0mcg	

#### 6. Protein & Amino Acids

Amounts Per Selected Serving		%DV
Protein	0.0 g	0 %

#### 6. Sterols

Amounts Per Selected Serving		%DV
Cholesterol	0.0mg	0%
Phytosterols	~	

#### 6. Other

Amounts Per Selected Serving		%DV
Alcohol	0.0g	
Water	0.1g	
Ash	0.0g	
Caffeine	0.0mg	
Theobromine	0.0mg	

**DATE:** November 12, 2021.

**PACKAGING:** PP Bags with PE Lining. / Bulk.

**STORAGE:** Store in a cool, dry place. Do not freeze. Avoid excessive exposure to heat and light.