



# SUGAR CATALOGUE

● CANE SUGAR

● BEET SUGAR

Brazilian cane sugar and Ukrainian beet sugar for international food, beverage and industrial markets.

● ICUMSA 45 ● ICUMSA 150 ● ICUMSA 600-1200 ● ICUMSA 60-100

# SUGAR SUPPLY OVERVIEW

A3 Food & Beverage supplies cane sugar from Brazil and beet sugar from Ukraine directly from mills for food, beverage, retail and industrial buyers.

Our sugar range is built around clear product grades, reliable specifications and export-ready packing options, allowing buyers to evaluate product type, quality parameters and shipment format with confidence.

From origin-based sourcing to packing coordination, A3 Food & Beverage supports sugar supply with practical, transparent and trade-ready information.



## ● CANE SUGAR

BRAZIL

### ICUMSA 45

White refined sugar

Food ● Beverage ● Direct Consumption

## ● CANE SUGAR

BRAZIL

### ICUMSA 150

Crystal Sugar

Bakery ● Beverage ● Food Production

## ● CANE SUGAR

BRAZIL

### ICUMSA 600-1200

Brown / raw sugar

Food ● Industrial Use ● Further Refining

## ● BEET SUGAR

UKRAINE

### ICUMSA 60-100

White beet sugar

Confectionary ● Bakery ● Food Production

# CANE SUGAR FROM BRAZIL



## A leading origin for global sugar supply

Brazil has one of the world's most established sugarcane industries, with cultivation dating back to the 1530s. Today, the country remains one of the most important origins for international cane sugar supply.

A3 Food & Beverage supplies cane sugar directly from Brazilian sugar mills, offering product grades suitable for food, beverage, direct consumption and industrial applications.

## Available Brazilian cane sugar grades

We offer Brazilian cane sugar grades for food, beverage, retail and industrial requirements. Each grade can be evaluated by appearance, purity, intended use and technical specification.

### ICUMSA 45

#### White Refined Sugar

High-purity white sugar suitable for food, beverage, retail packing and direct consumption.

### ICUMSA 150

#### Crystal Sugar

Crystal sugar used in bakery, beverage production and food manufacturing.

### ICUMSA 600–1200

#### Brown / Raw Sugar

Brownish raw cane sugar suitable for food production, industrial use and further refining.

# CANE SUGAR PRODUCTION PROCESS



## From sugarcane cultivation to export-ready sugar

Cane sugar production begins with the cultivation and harvesting of sugarcane, followed by a sequence of extraction, purification, concentration, crystallization and drying stages. Each step is designed to transform sugarcane juice into stable, dry and free-flowing sugar suitable for packing and shipment.

### Process Steps

01



#### SUGARCANE CULTIVATION

Sugarcane is grown until it reaches the required maturity for harvest.

02



#### MECHANIZED HARVEST

Mature sugarcane is harvested mechanically for efficient field collection.

03



#### SUGARCANE TRANSPORT

Harvested sugarcane is transported from the field to the mill.

04



#### MILLING

Sugarcane is crushed to extract its natural juice.

05



#### TREATMENT

The extracted juice is treated to remove impurities.

06



#### EVAPORATION

Water is removed to create a concentrated syrup.

07



#### CRYSTALLIZATION

The syrup is cooked to form sugar crystals.

08



#### CENTRIFUGATION

Sugar crystals are separated from molasses by centrifugation.

09



#### DRYING

Remaining moisture is removed before packing and shipment.

# CANE SUGAR SPECIFICATIONS



## Technical parameters for available Brazilian cane sugar grades

The following specifications provide standard quality parameters for A3 Food & Beverage's available Brazilian cane sugar grades. Final details can be confirmed according to buyer requirements, shipment terms and supplier documentation.

| ICUMSA 45<br>White Refined Sugar |                        | ICUMSA 150<br>Crystal Sugar |                        | ICUMSA 600–1200<br>Brown / Raw Sugar |                       |
|----------------------------------|------------------------|-----------------------------|------------------------|--------------------------------------|-----------------------|
| Parameter                        | Specification          | Parameter                   | Specification          | Parameter                            | Specification         |
| Moisture                         | 0.04% Max.             | Moisture                    | 0.10% Max.             | Moisture                             | 0.15% Max.            |
| Ash Content                      | 0.04% Max.             | Ash Content                 | 0.10% Max.             | Ash Content                          | 0.15% Max.            |
| Polarization                     | 99.8° Min.             | Polarization                | 99.5° Min.             | Polarization                         | 97.8° to 99.2°        |
| Solubility                       | 100% Dry and Free Flow | Solubility                  | 100% Dry and Free Flow | Solubility                           | 95% Dry and Free Flow |
| Radiation                        | Normal Certified       | Radiation                   | Normal Certified       | Radiation                            | Normal Certified      |
| Color                            | Sparkling White        | Color                       | Sparkling White        | Color                                | Brown                 |
| Granulation                      | Fine                   | Granulation                 | Fine                   | Granulation                          | 6 mm regular size     |

# BEET SUGAR FROM UKRAINE

• Vinnytsia Region



## White beet sugar for food and industrial supply

Beet sugar is produced from sugar beets through a process of slicing, juice extraction, purification, heating and crystallization. The result is a granulated white sugar suitable for food production, industrial use and international supply.

Ukraine has a long-established history in sugar beet cultivation and beet sugar production, supported by favorable growing conditions and a strong production tradition.

A3 Food & Beverage supplies Ukrainian beet sugar with clear product specifications and export-ready packing options for buyers seeking reliable white sugar supply.

| ICUMSA 60-100<br>White Beet Sugar |                        |
|-----------------------------------|------------------------|
|                                   |                        |
| Parameter                         | Specification          |
| Moisture                          | 0.06% Max.             |
| Ash Content                       | 0.08% Max.             |
| Polarization                      | 99.8° Min.             |
| Solubility                        | 100% Dry and Free Flow |
| Radiation                         | Normal Certified       |
| Color                             | White at 20°           |
| Granulation                       | Fine                   |

| Ukranian Beet Sugar<br>White Beet Sugar |                                                                           |
|-----------------------------------------|---------------------------------------------------------------------------|
|                                         |                                                                           |
| Origin                                  | Ukraine                                                                   |
| Available Grades                        | ICUMSA 60-100                                                             |
| Product Type                            | White beet sugar                                                          |
| Applications                            | Food Production<br>Beverages<br>Bakery<br>Confectionary<br>Industrial Use |
| Supply Format                           | Export ready packing options                                              |

# PACKING & SHIPMENT OPTIONS

Flexible packing formats for retail, industrial and bulk supply

A3 Food & Beverage offers sugar packing options suitable for retail, industrial and bulk supply requirements. Packing format can be selected according to product type, buyer preference, destination market and shipment requirements.

## Packing Options

### 1 KG BAGS

Plastic bags available with buyer's logo or producer logo customization.

Suitable for retail packing, private label requirements and consumer facing distribution.

### 50 KG BAGS

Polypropylene bags for wholesale, industrial buyers and export shipments.

Suitable for larger volume supply, food manufacturing, distribution and commercial use.

### 1 TON BIG BAGS

Polypropylene big bags designed to support up to 1 ton of sugar.

Suitable for bulk handling, industrial use and larger shipment volumes.