

## Product Specification: ICUMSA 45 Sugar

### Product Overview

High-purity, sparkling white refined cane sugar, produced from premium Brazilian sugarcane through advanced refining processes. Suitable for direct human consumption, confectionery, beverages, baking, and industrial applications. Non-GMO, radiation-free, and free from any contaminants.

### Quality Parameters (Specifications)

Parameter	Specification	Test Method / Reference	Unit
ICUMSA Color Value	45 maximum (RBU)	ICUMSA Method GS2/3-10 (420 nm) or equivalent Brazilian standard	ICUMSA Units
Polarization (at 20°C)	99.80% minimum	ICUMSA Polarimetric Method	%
Sulphated Ash Content	0.04% maximum	ICUMSA Method GS2/3-19	% by weight
Moisture Content	0.04% maximum	ICUMSA Method GS2/1-5 or equivalent	% by weight
Reducing Sugars	0.05% maximum	ICUMSA Method GS2/1-3	% by weight
Granulation / Crystal Size	Fine standard – 0.55 to 0.70 mm (average)	Sieve analysis	mm
Solubility	100% Dry and Free-Flowing	Visual / Sensory	–
Color / Appearance	Sparkling White, Crystal Clear	Visual inspection	–
Odour / Smell	Free from any foreign odour	Sensory	–
Sediments / Foreign Matter	None	Visual / Filtration	–
Magnetic Particles	Maximum 4 mg/kg	Magnetic separation	mg/kg
Arsenic (As)	Maximum 1 ppm	Atomic Absorption Spectroscopy	ppm
Lead (Pb)	Maximum 2 ppm	Atomic Absorption Spectroscopy	ppm
Copper (Cu)	Maximum 3 ppm (if	Atomic Absorption Spectroscopy	ppm

#### Corporate Office

Parth Consumer, Office No -604,  
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#### Email

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#### Website

[www.parthconsumer.com](http://www.parthconsumer.com)



Parameter	Specification	Test Method / Reference	Unit
Sulphur Dioxide (SO <sub>2</sub> )	Not detected / Nil	Standard method	–
Microbiological – Staphylococcus aureus	Nil	Standard plating	–

## Additional Quality Assurances

- The product is 100% refined from sugarcane and meets all international food safety standards (Codex Alimentarius, EU regulations, FDA equivalent where applicable).
- Free from live or dead insects, insect fragments, mould, extraneous matter, radiation, and genetically modified organisms.
- Packing Options: – Standard: 50 kg food-grade polypropylene (PP) bags with inner liner. – Alternative: 1 MT Jumbo/FIBC bags or bulk in vessel holds (subject to contract). – Bags marked with product name, origin, net weight, batch number, production date, and manufacturer details.

## Compliance Statement

This product fully complies with Brazilian export regulations, ICUMSA international standards, and buyer destination country import requirements (subject to final confirmation). Parth Consumer Products guarantees the above specifications for all shipments under confirmed contracts.

For any custom requirements, deviations, or additional certifications, please contact our commercial team.

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