



ICUMSA WHITE SUGAR SPECIFICATION

SUGAR ANALYSIS REPORT

Name of the Product: Sugar
Grade: S-30
Mfg Month: Jan-2024

Season: 2023-24
Lot. No. (J) - 07
Exp: 2 Years

| SN | Parameter | Method | Specification | Result |
|----|------------------------------------|----------------------|----------------|-----------------------------------|
| 1 | Taste | | Pass | Pass |
| 2 | Odor | | Pass | Pass |
| 3 | Appearance | | White Dry | Complies |
| 4 | Color | ICUMSA GS 2/3-9 | 120 IU Max | 96 IU |
| 5 | Moisture | ICUMSA GS 2/1/3/9-15 | Max. 0.1% | 0.04 % |
| 6 | Sucrose | ICUMSA GS 2/3-1 | Min 99.80 % | 99.92 % |
| 7 | Polarization | ICUMSA GS 2/3-1 | Min 99.80 % | 99.92 % |
| 8 | Conductivity Ash | ICUMSA GS 2/3/9-17 | Max 0.050 % | 0.0046 % |
| 9 | SO2 | ICUMSA GS 2/1/7/9-33 | Max. 20 mg/kg | NIL |
| 10 | Dextran | ICUMSA GS 1 -15 | | <20 mg/Kg |
| 11 | Retention on #10 mesh (2 mm) | ICUMSA GS 2-37 | Max 10 % | 0.062 % |
| 12 | Retention on #30 mesh (600 micron) | ICUMSA GS 2-37 | Min 70 % | 98.32 % |
| 13 | Solids, Water Insoluble | ICUMSA GS 2/3-19 | Max 0.10 % | 0.0036 % |
| 14 | Reducing Sugar | IS 15279-2003 | Max 0.05 % | 0.005 % |
| 15 | Texture | - | Solid Crystals | Solid Crystals |
| 16 | Total Aerobic Plate count | ISBT Procedure 4.0 | <200 CFU/10g | 62 CFU/10g (As pr IS Standard) |
| 17 | Total Yeast Plate count | ISBT Procedure 5.0 | <10 CFU/10g | 02 CFU/10fa g (As pr IS Standard) |
| 18 | Total Mould Plate count | ISBT Procedure 5.0 | <10 CFU/10g | 04 CFU/10g (As pr IS Standard) |


Asst. Manager (Q.C)