




**CERTIFICATE OF ANALYSIS**

Maize Products

Name of the Product	<b>SORBITOL 70% NC [FOOD GRADE]</b>			
Date of Manufacturing				June 2020
Expiry				May 2023
Net weight in drum				300 kg
Gross weight in drum				309 kg
Number of drums				214
Batch No.		SBQCN 2006114	SBQCN 2006115	SBQCN 2006116
Total drums		54	80	80

Sr. No.	Parameters	Specification	Results		
1	Characters	A clear colorless syrupy liquid, miscible with water	Complies		
2	Identification	A. The principal peak in the chromatogram obtained with the test solution is similar in retent on time to the principal peak in the chromatogram obtained with reference solution (a)	Complies		
		B. Angle of rotation is +1.5 to +3.5	+2.20°	+2.38°	+2.37°
		C. It is a clear, syrupy liquid at a temp. of 25° C	Complies		
3	Appearance of Solution	The solution is clear & colorless	Complies		
4	pH (50% aqueous solution)	5.0 – 7.5	7.12	6.95	6.91
5	Specific Gravity	Min. 1.285	1.2864	1.2878	1.2873
6	Refractive Index	1.455 – 1.465	1.4572	1.4578	1.4576
7	Conductivity	NMT $\mu\text{s}/\text{cm}$ 10	1.60	1.80	1.90
8	Reducing Sugar	Max. 0.2%	0.116	0.118	0.131
9	Reducing Sugar after hydrolysis (Total Sugar)	Max. 9.3%	8.20	8.00	7.90
10	Lead	Max. 0.5 ppm	Complies		
11	Heavy Metals	10 ppm	Complies		
12	Arsenic	Max. 2 ppm	Complies		
13	Chloride	Max. 50 ppm	Complies		
14	Sulphates	Max. 125 ppm	Complies		
15	Nickel	Max. 1 ppm	Complies		
16	Mannitol	Max. 5.0%	Complies		
17	Residue on Ignition	Max. 0.10% w/w	0.030	0.033	0.034
18	Water	Between 28% to 32%	29.90	29.60	29.70
19	Assay: D-glucitol (on anhydrous basis) by HPLC	Between 72% to 92%	85.40	84.60	84.02
20	Dry Substance	Between 68.0% to 72%	70.10	70.40	70.30
21	Total Plate Count	<100 cfu/ml	70	60	40
22	Yeast & moulds	<10 cfu/ml	<10	<10	<10

Remarks: The Product Conforms to the above Specifications	Opinion: <b>APPROVED / REJECTED</b>
 Document Checked By	  Manager (QC)
Date: 15/06/2020	Date: 15/06/2020

EXPORT/SORBITOL-P431 /

0022 (M005)

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