



PACIFIC COMMODITIES

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SORBITOL 70% NC (Food Grade)

CERTIFICATE OF ANALYSIS

DESCRIPTION OF GOODS : SORBITOL 70% NC (Food Grade)
PACKING : 300 KGS NETT
QUANTITY : 24 MT (80Drums in 1x20 FCL)
HS CODE : 29054410

ANALYSIS FOR SORBITOL 70% NC:

Sr No.	Name of the Test	Specification Required	Result
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) B. Angle of rotation is +1.5 to +3.5 It is a clear, syrupy liquid at a temp. of 25°C	Complies +2.30° Complies
3	Appearance of Solution	The solution is clear & colorless	Complies
4	pH (50% aqueous solution)	5.0 - 7.5	6.09
5	Specific Gravity	Min 1.285	1.2860
6	Refractive Index	1.455 - 1.465	1.4570
7	Conductivity	NMT $\mu\text{s/cm}$ 10	1.50
8	Reducing Sugar	Max 0.2%	0.124
9	Reducing Sugar after hydrolysis (Total Sugar)	Max 9.3%	8.30
10	Lead	Max 0.5 ppm	Complies
11	Heavy Metals	10 ppm	Complies
12	Arsenic	Max 1 ppm	Complies
13	Chloride	Max 50 ppm	Complies
14	Sulphates	Max 100 ppm	Complies
15	Nickel	Max 1 ppm	Complies
16	Mannitol	Max 5.0 ppm	Complies
17	Sulphate Ash	0.1 %	Complies
18	Residue on Ignition	Max 0.10% w/w	0.031
19	Water	Max 31.5%	30.00
20	Assay: D-glucitol (on anhydrous basis) by HPLC	Between 72% to 92%	84.08
21	Dry Substance	Between 68% to 72%	70.00
22	Total Plate Count	<100 cfu/ml	50 cfu/ml
23	Yeast & moulds	<10 cfu/ml	<10 cfu/ml
24	Melting Point	88-102°C	95s °C
25	Total Sugar	Max 1%	0.05%
26	Salmonella	Negative	Negative
27	Staphylococcus Aureus	Negative	Negative
28	Coliform	Negative	Negative

REMARK: PRODUCTION, EXPIRY DATE AND BATCH NO. OF THE GOODS HAVE BEEN INDICATED ON ALL PACKAGES.