



TAIWAN FRUCTOSE
PURE CHEM

Quality product begin with pure ingredients

Certificate of analysis(by QA department)

Product :	70 % Sorbitol solution (Non-Crystallizing Grade)	Batch no.	S1041
Customer:	VIET NAM H2CHEMICAL COMPANY	MFG date:	28/12/2024
Quantity:	80 DRUMS	EXP date:	27/12/2029
Delivery Date:	27/1/2025	Container No.1	ONEU2210770
		Container No.2	-
		Container No.3	-
		Container No.4	-
		Container No.5	-

Specification No. : S-QAD-003/01 Conforms to BP/USP

Test Item	Method	Result	Standard Value
Routine Analysis			
1. Description	BP(2018)	Complies	Clear, Colorless, Syrupy Liquid, Odorless, miscible with water
2. Identification	USP(41)	Complies	A,B and C to comply
3. Tendency of crystallization	Visaul	Complies	Low
4. Refractive Index	Refractometer	1.4579	1.4544-1.4627
5. Specific gravity	RI conversion chart	1.2987	1.2925-1.3110
6. pH (10 % w/v solution)	pH meter	5.90	5.0-7.0
7. Reducing sugar	BP(2018)	0.12	NMT 0.20 %
8. Total sugar	BP(2018)	5.21	4.5 % to 9.5 %
9. Water Content	Calculated by 100-%DS	30.30	28.5-31.5%
10. Assay D-sorbitol	HPLC	83.27	72.0-92.0%
11. Dissolved solids	RI conversion chart	69.70	68.0-72.0%
12. Conductivity	conductivity meter	0.10	NMT 10.0 μ s /cm
Monthly Analysis Representative sample from batch.no. S3O37 on 15/12/2024-14/01/2025.			
1. Chloride	USP 41	< 50 ppm	NMT 50 ppm
2. Sulphate	USP 41	< 100 ppm	NMT 100 ppm
3. Total plate count	Petrifilm(AOAC)	< 10 cfu/g.	NMT 100 cfu/g
4. Yeast&Molds	Petrifilm(AOAC)	< 10 cfu/g.	NMT 100 cfu/g
5. Staphylococcus aureus	Petrifilm(AOAC)	Not detected	Not detected/0.1g
6. E.coli	Petrifilm(AOAC)	Not detected	Not detected/0.3g
7. Coliform	Petrifilm(AOAC)	Not detected	Not detected/0.1g
Yearly Analysis Representative sample from batch.no.C3O02 on Feb 07,2024.			
1. Residue on ignition	USP 43 (281)	< 0.05 %	NMT 0.1 %
2. Arsenic	AOAC (2019)999.10,2011.14	not detected	NMT 1.0 ppm
3. Lead	AOAC (2019)999.10,2011.14	not detected	NMT 0.5 ppm
4. Nickel	AOAC (2019)999.10,2011.14	not detected	NMT 1.0 ppm
5. Bacillus cereus	FDA BAM online 2020(Chapter 14)	not detected	Not detected(cfu/g)
6. Salmonella spp.	ISO 6579-1:2017 Amd.1:2020	not detected	Not detected/25g

Tested by *[Signature]*

(Chemist)

Date: 28/12/2024

Approved by *[Signature]*

(Q.A.Head)

Date: 28/12/2024

STORAGE REQUIREMENT : CLEAN DRY WAREHOUSE, AMBIENT CONDITIONS.

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