

Specification Document

TECHNICAL DATA SHEET

DEXTROSE MONOHYDRATE

Dextrose Monohydrate is the monohydrate form of D-glucose, a natural monosaccharide and carbohydrate.

SPECIFICATIONS:

S.NO	PARAMETERS	SPECIFICATIONS
1.	Description	White crystalline or granular, odorless Powder readily soluble in water with characteristics sweet taste free from foreign flavour
2.	Identification Test	Reduces fehling solution on boiling
3.	Solubility	Freely soluble in water, easily soluble in boiling water & alcohol
4.	Clarity 50% w/v solution	Clear
5.	Loss on Drying(% w/w)	7.50-9.50
6.	Sulphated Ash % on DB	0.10 Max.
7.	Specific Volume Packed ml/100gm	135-160
8.	Acidity (ml of 0.02 N NaOH/5g)	1.25 ml Max
9.	Specific Optical Rotation at 20°C (10% w/v solution)	+52.5 ° to 53.3 °
10.	Sulphur Dioxide ppm	20.0 Max
11.	Chloride , ppm	100.0 Max
12.	Sieve Analysis :+30 mesh	10.0 Max

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S.No	TEST PARAMETERS	UNITS	LIMITS AS PER FSSAI
BIOLOGICAL PARAMETERS			
1	Listeria monocytogenes	Present/Absent/25	Absent
2	Total Plate Count	Cfu/g	Not more than 40000
3	Yeast & Mould	Cfu/g	Not more than 100
4	Vibrio cholera	Present/Absent/25	Absent
5	E coli	Present/Absent/g	Absent
6	Salmonella	Present/Absent/25	Absent
7	Coliform	Cfu/g	Absent
8	Staphylococcus aureus	Present/Absent/25	Absent

APPLICATION

- Sweetener
- increase a person's blood sugar.

STORAGE

Exhibits excellent stability when stored under cool and dry ventilated place. Avoid direct sun light.

BEST BEFORE DATE

Two years from the date of manufacturing.

PACKING

Available in 25Kgs net weight PP bags with moisture proof line inside.