The Worldwide Resource...

Est. 1995

THE BTTCO OVERSEAS

A Govt. of India Recognized *Star Export House*

from local roots to global routes

Certificate of Analysis

Dextrose Monohydrate Food Grade

Product Name : Dextrose Monohydrate Food Grade
Remarks : Our material confirms to the below specification
CAS No : 77938-63-7
Expiry Date : 3 Year from Mfg. Date

Sr. No.	Parameters	Specification	Result
1	Description	A White Crystalline Powder	Complies
2	Solubility	Freely soluble in Water, very Soluble in Boiling water, and slightly soluble in Alcohol	Complies
3	Identification	A Copious red precipitate is formed with Potassium cupritartrate solution	Complies
4	% Assay	99.5 to 100.5 % of reducing sugar content (dextrose equivalent), expressed as D-glucose, calculated on the dried basis.	99.86%
Impurities (Inorganic Impurity)			
5	Specific optical Rotation	+52.6°C to +53.2°C	+52.9°
6	Arsenic	1 ppm (Max.)	< 1 ppm
7	Lead	0.1 ppm (Max)	< 0.1 ppm
8	Chlorides	180 ppm (Max)	85 ppm
9	Sulfur Dioxide	20 ppm (Max)	8 ppm
Specific Tests			
10	Loss of Drying	10.00 % Max.	8.65%
11	Residue on Ignition (Sulphated Ash)	0.1 % Max.	0.03%
12	Starch	Absence of soluble Starch	Absent
Additional test			
13	% retention on #30 Mesh	2% Max.	0.8%
14	TAMC	1000 cfu/g	<100 cfu/g
15	TYMC	100 cfu/g	<10 cfu/g
16	E. coil	Absent /g	Absent
17	Salmonella	Absent /g	Absent
18	S. Auerus	Absent /g	Absent
19	Ps AREGEONSA	Absent /g	Absent

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