



Date :- 17.02.2024

The sukhjit AGRO INDUSTRIES

(A Unit of The Sukhjit Starch and Chemicals Ltd., Phagwara)

[An FSSC:22000 company]

SAI

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ANALYTICAL TEST REPORT OF

DEXTROSE MONOHYDRATE POWDERMaterial dispatched to M/s:- **VYOM**

		Batch No	734	761	771	
		Date of Mfg.	03.02.2024	11.02.2024	14.02.2024	
		Date of Exp.	Two Year from Date of Mfg			
		Qty: in bag	180	40	20	
		Total no of bags	240 Bags			
Sr. No	Test	Specification:	Results			
01	Appearance	White Crystalline Powder, Free from visible specks, added colour	Passes	Passes	Passes	
02	Solubility	Freely soluble in water, sparingly soluble in ethanol-95%	Passes	Passes	Passes	
03	Identification	Reduced Fehling solutions on boiling, giving a red ppt. Odour of burnt sugar when heated to melting	Passes	Passes	Passes	
04	Specific optical rotation	+ 52.50 to - 53.30 (10% w/v solution)	+52.88	+52.84	+52.90	
05	Foreign sugars, soluble starch and dextrin's	No opalescence in ethanol	Passes	Passes	Passes	
06	Sulphated Ash %	NMT 0.1 %	0.045	0.044	0.038	
07	Acidity	NMT 0.15 ml required	0.04	0.05	0.05	
08	Clarity and colour of solution	As per IP	Passes	Passes	Passes	
09	Loss on drying	7.00 to 9.50%	8.31	8.63	8.53	
10	Sulphur dioxide	It is an allergen as per 2003 891C. [ppm level maintained as per BIS std]	Passes	Passes	Passes	
11	Heavy Metals	NMT 0.1 PPM	Passes	Passes	Passes	
	Chlorides	NMT 125PPM	Passes	Passes	Passes	
	Sulphate	NMT 200 PPM	Passes	Passes	Passes	
	sulphite	To pass the test as per IP	Passes	Passes	Passes	
	Barium	To pass the test as per IP	Passes	Passes	Passes	
	Arsenic	NMT 0.1 PPM	Passes	Passes	Passes	

Test carried out By

Manager-Q.A