

CERTIFICATE OF ANALYSIS

Product Name : DEXTROSE MONOHYDRATE	
Lot No. : PEL/TCG/2909/25/25	Release Date : 1-OCT-2025
Mol. Formula : C ₆ H ₁₂ O ₆ .H ₂ O	Mol. Weight : 198.17
Code No. : PEL156	CAS No. : 77938-63-7
Mfg. Date : May-2025	Exp. Date : Apr-2030
HAZ. / P.G. : -	UN No. : -

Sr.	Tests	Specifications	Results
1	Appearance	White crystalline powder	White crystalline powder
2	Solubility	Freely soluble in water, sparingly soluble in ethanol (95 per cent)	Complies
3	Identification 'A'	When heated it melts, swells up and burns and an odour of burnt sugar is perceptible	Complies
4	Identification 'B'	A copious red precipitate is formed with potassium cupri tartrate solution	Complies
5	Appearance and odour of solution	Solution is clear not more intensely coloured than reference solution BYS7 and odourless	Complies
6	Acidity or alkalinity	NMT 0.15 ml of 0.1M NaOH is required to change the color of solution to pink	NMT 0.15 ml of 0.10.05ml of 0.1M NaOH required to change the color of solution to pink required to change the color of solution to pink
7	Specific optical rotation	+52.5° to +53.3°	+53.063drg
8	Arsenic (As)	Max 0.0001%	<0.0001%
9	Heavy metal	Max 0.0005%	Not detected
10	Chloride (Cl)	Max 0.0125%	0.0048%
11	Sulphate (SO ₄)	Max 0.02 %	0.008%
12	Sulphite	To pass IP test	Passes test
13	Barium (Ba)	To pass IP test	Passes test
14	Foreign sugars, soluble starch and dextrins	To pass IP test	Passes test
15	Sulphated ash	Max 0.1 %	0.005%
16	Water	7.5 - 9.5%	8.34%

CONCLUSION -Based on the evaluation, the product meets all applicable **PELICAN (Trust Lies Here)** specifications.



Pelican
 (Trust lies here)