

1. Identification of Substance

Product	:	Dextrose Anhydrous Powder
Packing	:	25 kgs. HDPE bag packed with Liner.
Shelf Life	:	2 years from the date of manufacture.
Storage & Preservation	:	To be stored above the ground in a clean and hygienic place, away from humidity and direct sunlight. Maintain ambient temperature.
Intended Use	:	It is used in energy/sports drinks, IV solutions, oral rehydration salts, etc.
Sampling Plan	:	As per guideline HL/QC/FG-SMP/01

2. Physical & Chemical Parameters

Parameter	Specification	Method of Analysis
Description	A White Crystalline Powder	Visual Inspection
Identification (Test A and B)	Complies with IP	IP Addendum 2024
Appearance and odor of solution	Complies with IP	IP Addendum 2024
Acidity (mL of 0.1 N NaOH / 6 gm)	≤ 0.15 mL	IS 474 : 1992
Specific Optical Rotation 10% w/v at 25 °C	+52.5 ° to +53.3 °	IP Addendum 2024
Dextrose Equivalent (% w/w on DB)	99.5 % – 101.5 %	IP Addendum 2024
Arsenic	≤ 1 ppm	IP Addendum 2024
Heavy Metals	≤ 5 ppm	IP Addendum 2024
Chlorides	≤ 125 ppm	IP Addendum 2024
Sulphates	≤ 200 ppm	IP Addendum 2024
Sulphite	≤ 15.00 ppm	IP Addendum 2024
Barium	Complies with IP	IP Addendum 2024
Foreign Sugars, Soluble Starch and Dextrin	Complies with IP	IP Addendum 2024
Sulphated Ash (%)	≤ 0.1 %	FSSAI Manual 4, 2015
Water Content	≤ 1.0 %	IP Addendum 2024

Document: Technical Data Sheet

Product: Dextrose Anhydrous Powder

H.L. Agro Products Pvt. Ltd.



3. Microbiological Specifications

Parameter	Specification
Total Viable Count	≤ 500 CFU/gm.
Total Fungal Count	≤ 100 CFU/gm.
E. Coli	Absent /gm.
Salmonella	Absent/25gms.