

1. Identification of Substance

Product	:	Liquid Glucose
Packing	:	300 kgs. Food Grade HDPE Drums, Bulk Stainless Steel Tankers.
Shelf Life	:	2 Years from the date of manufacture.
Storage & Preservation	:	Shall be stored above the ground in a hygienic condition. Maintain ambient temperature. Keep away from water, direct sunlight and flames. Ensure metal caps are intact.
Intended Use	:	Used as a sweetener in the confectionery & food industry.
Sampling Plan	:	As per guideline HL/QC/FG-SMP/01

2. Physical & Chemical Parameters

Parameter	Specifications	Method of Analysis
Description	Clear, colourless to yellow tinge, thick viscous syrup.	Visual Inspection
Identification	Reduces Fehling Solution on boiling.	Physical Test
Dry Solids (Brix)*	76.0 % – 85.5 %	Refractometer Method
Sulphated Ash (% w/w on DB)	≤ 0.5 %	FSSAI Manual 4, 2015
Dextrose Equivalent (% w/w on DB)	38.0 % – 44.0 %	Lane Eynon Titration
pH (50% Solution, w/v)	4.00 – 5.50	AOAC 943.02
Sulphur Dioxide (ppm)*	10 ppm - 400 ppm.	Iodometric Titration
Acidity (ml of 0.1N NaOH / 5 g)	≤ 0.6 ml.	FSSAI Manual 4, 2015
Starch	Absent	FSSAI Manual 4, 2015

3. Carbohydrate Profile (%) – Typical Values

Component	Range (%)
DP1	15.0 – 21.0
DP2	11.0 – 16.0
DP3	9.0 – 14.0
DP4+	49.0 – 66.0

Document: Technical Data Sheet

Product: Liquid Glucose

H.L. Agro Products Pvt. Ltd.



4. Microbiological Specifications

Parameter	Specification
Total Plate Count	≤ 1000 CFU/gm.
Total Yeast & Moulds	≤ 100 CFU/gm.
E. coli	Absent / gm.
Salmonella	Absent / 25 gms.