

1. Identification of Substance

Product	:	Corn Starch Powder
Packing	:	50 kgs. or 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	:	For industrial applications, such as paper industry, gum & adhesive industry etc.
Sampling Plan	:	As per guideline HL/QC/FG-SMP/01

2. Physical & Chemical Parameters

PARAMETER	SPECIFICATIONS	METHOD OF ANALYSIS
Description	Light creamy to white color fine powder, Odorless, free from adulterants, fermented smell, musty dirt & extraneous matter.	Visual Inspection
Identification	Dark Blue color produced with iodine solution.	Visual Inspection
Solubility	Practically insoluble in cold water.	Physical Test
Moisture (% w/w)	≤ 13.00 %	AOAC 926.12
Protein (% on DB)	≤ 0.50 %	IS 4706 Part-II 1978
pH (10% Aqueous solution)	4.50% – 7.00%	IS 4706 Part-II 1978
Hydrolysable (% on DB)	≥ 98.0 %	IS 4706 Part-II 1978
Total Ash (% on DB)	≤ 0.50 %	IS 4706 Part-II 1978
Viscosity of 5% paste at 75 °C (Brookfield Viscometer)	≥ 1200 cp.	AOAC 967.16-1968
Sulphur Dioxide	≤ 80 ppm.	IS 4706 Part-II 1978
Free Acidity (ml of 0.1 N NaOH/100 g)	≤ 40 ml.	IS 4706 Part-II 1978
Petroleum Hydrocarbons Extractable matter (% on DB)	≤ 0.25 % .	ISO 3947:1977
Cold water soluble (% on DB)	≤ 1.0 %	ISO 941:1980
Sieve Analysis retention % w/w on (100#)	≤ 2.0 %	ISI: SP:18 (Part II)