



PRODUCT DATA SHEET

BLUECRAFT AGRO PRIVATE LIMITED

An ISO 9001:2015 Certified Company

MAIZE STARCH B.P.

Description	<p>Maize Starch B.P. is a premier product used to the various applications in Pharmaceutical industries. It is manufactured from carefully selected grains with controlled feeding to the system maintaining hygienic condition throughout the process to control microbiological load. It has very low bacterial count.</p> <p>It is free flowing powder and blend in odour. It does not mask any odour or flavour in the finished product. Maize starch B.P. is used as inert filler cum binder during manufacture of pharmaceutical tablets. Its low particle size ensure smooth tablet. It also functions as tablet disintegrant as well as also acts as a filler and inert carrier of medicine.</p>
Packaging	25 Kg/ 50 Kg HDPE Bags with virgin inner liner of LDPE Bags
Storage and Handling	Store in Clean, dry, well ventilated warehouse at ambient temperature and humidity.
Shelf Life	5 years from the date of manufacture

SUPPLY SPECIFICATION (PHYSICAL & CHEMICAL DATA)

Appearance	Matt, white to slightly yellowish, very fine powder that creaks when pressed between the fingers.
Solubility	Practically insoluble in cold water and in ethanol (96 %)
Identification A. Microscopy B. Physical test C. Colour Reaction	<p>Under Microscope using not less than 20x magnification and using equal volume of glycerol and water, it appears as either angular polyhedral granules of irregular sizes with diameters ranging from about 2 μm to about 23 μm or as rounded or spheroidal granules of irregular sizes with diameters ranging from about 25 μm to about 35 μm. The central hilum consists of a distinct cavity or two-to five-rayed cleft and there are no concentric striations.</p> <p>Suspend 1 g in 50 ml of water, boil for 1 minute and cool, thin and cloudy mucilage should formed.</p> <p>To 1 ml of the mucilage obtained in identification test B, add 0.05 ml of iodine solution. An orange red to dark blue colour is produced, which disappears on heating</p>



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pH (5g in 25 ml of H ₂ O)	Between 4.0 – 7.0
Foreign Matter	Not more than traces of matter other than starch granules are present. No starch grains of any other origin are present
Oxidizing Substances	Maximum 20 ppm.
Sulphur di oxide	Maximum 50 ppm
Iron	Maximum 10 ppm
Loss on Drying (1.0 g at 130°C for 90 min)	Maximum 15 .0 %
Sulphated Ash (Determined on 1.0 g)	Maximum 0.6 %

SUPPLY SPECIFICATION (MICROBIOLOGICAL DATA)

Total aerobic microbial count (TAMC)	Not More than 1000 cfu/ g
Total Yeast mould count (TYMC)	Not more than 100 cfu/ g
E.Coli	Absent/ g
Salmonella	Absent/10 g