

PRODUCT SPECIFICATIONS

1. Maize Starch — Food Grade

A. Product Description

Vkan Overseas Food Grade Maize Starch is a fine white powder derived from the endosperm of premium quality maize (Zea mays). It is processed under stringent hygienic conditions and is compliant with food safety regulations including FSSAI and Codex Alimentarius. Ideal for use as a thickener, stabiliser, binder, and texture modifier in a wide range of food applications.

B. Key Applications

- Bakery products — bread, biscuits, cakes, pastries
- Soups, sauces, gravies, and instant food preparations
- Baby food and nutritional supplements
- Confectionery, jellies, and gummies (as gelling agent)
- Meat processing and ready-to-eat products
- Pharmaceutical tablet binding and coating
- Modified starch production base material

C. Technical Specifications

Parameter	Specification
Appearance	Fine white to off-white free-flowing powder
Moisture Content	Max 14.0%
Starch Content (db)	Min 99.5%
Ash Content	Max 0.20%
Protein Content (db)	Max 0.35%
Fat Content	Max 0.20%
pH (10% suspension)	5.0 – 7.0
Viscosity (RVA Peak)	Min 700 BU (typical 750–900 BU)
Whiteness (% Reflectance)	Min 92%
SO ₂ Residue	Max 50 ppm
Heavy Metals (as Pb)	Max 10 ppm
Arsenic	Max 1 ppm
Total Plate Count	Max 50,000 CFU/g
Yeast & Mould	Max 500 CFU/g
E. coli	Absent in 1g
Salmonella	Absent in 25g
Country of Origin	India



PACKAGING AND SUPPLYING DETAILS

Parameter	Specification
Standard Packing	25 kg / 50 kg PP / HDPE bags (inner poly-liner)
Bulk Packing	500 kg / 1000 kg Jumbo Bags (FIBC) on pallets
Custom Packaging	Available as per buyer specification
Minimum Order Qty	20 FCL (approx. 25 MT per 20' FCL)
Container Loading	20 FCL / 40 FCL
Shelf Life	24 months from date of manufacture
Storage	Cool, dry place — away from direct sunlight and moisture

