# PRODUCT DATA SHEET

## **CORN STARCH**

Description	High quality food grade carbohydrate free flowing powder extracted from corn grain, insoluble in cold water or organic solvent, when cooked in water it forms a firm opaque gel.
Application	Native corn starch is a multifunctional ingredient exhibiting properties that can be used in several food applications and manufacturing processes: Texturizing agent, film former, water binder, filer and thickener.

#### **Organoleptic properties**

Parameter	Properties
Appearance	Free from Flowing powder
Taste	Free from off flavors
Color	White

#### **Chemical Specifications**

Parameter	Standard	
Moisture Content	12- 14 %	
Protein	0.5 % max	
pH (10g to 100ml)	5 - 6	
Acidity (ml 0.1 N NaOH for 10g starch)	2 max	
Viscosity	40 000 – 44 000 Cp	
Acid insoluble ash	0.1 % max	
Sulfite (Residual SO2)	10 ppm max	
Fat	0.3% max	

### **Microbiological Specifications**

Parameter	Standard
Total aerobic plate count	< 1000 UFC/g
E-coli	<500 UFC/g
Coliform	<500 UFC/g

#### **Heavy Metals**

Parameter	Standard
Lead	Max 0.5 ppm
Arsenic	Max 0.1 ppm
Copper	Max 5.0 ppm

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### **Powder Parameters**

	Parameter	Standard		
	PSD: Pass from mesh 100	Up to 90%		
	Density	0.5 – 0,7 Kg/L		
Allergens	The product does not	The product does not contain any allergenic ingredients.		
Packing	Double ply paper bag	Double ply paper bags of gross weight 25 Kg		
Storage	appropriate and good	The product must be stored in its unopened original packaging, in appropriate and good ventilated place, storage should be free from odorous products and pests		
Shelf life	24 Months			
Regulatory complianc	<b>te</b> The product complie (FSSC22000, ISO 220	es with the requirements of the 000)	e following standards	
	The specification is co and CODEX 212.	onforming to the ES357/2005 and	the related regulations	
Other information	The product is Kocher	r and Halal certified		

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