

Regd. Office:

Tieicon House, Dr. E. Moses Road,
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Website : www.ionindia.com



Gujarat Ambuja Exports – Himmatnagar, Ahmedabad

1. Plant Commissioned - 1986

2. Products -



MAHARASHTRA
GUJARAT
KARNATAKA
ANDHRA PRADESH
TAMIL NADU
KERALA
WEST BENGAL
MIZORAM
TRIPURA
ASSAM
ARUNACHAL PRADESH
NAGALAND
MIZORAM
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3. Production

Corn v		Cassava Potato v		Native Starch v					
Cleaning									
Steeping		Washing							
Milling		Rasping							
Separation		Extraction							
Concentration									
Refining				Slurry preparation					
Purified starch milk									
Preparation		Liquefaction							
		Saccharification							
		Refining							
		Ion exchange							
Reaction		Hydrolysate							
				Evaporation					
				Crystallisation	Hydrogenation	Isomerisation			
				Separation		Refining			
Finishing						Ion exchange			
						Evaporation			
						Enrichment			
						Ion exchange			
Drying				Evaporation					
Granular Starch				Hydrolysed Starch products					
Native Corn Starch	Native Tuber Starch	Modified Starch	Malto dextrin	Dextrose Mono hydrate	Sorbitol	HFSS 55	HFSS 42	High DE Glucose Syrup	Glucose Syrup

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**Maize Starch Typical Specifications****Property**

Appearance
Odour
PH(10%ag. slurry)
Partide size:no Retention at
Moisture%
Starch content on dry basis
Total Ash on DB cold water
Solubility
Viscosity(Redwood v iscometerNo1, 3% paste at 75 c) Viscosity by BFV at 20rpm,5%paste
cooked at 75c for 30min
Protein content
Customized specification can also be achieved

Maize Starch

White Powder
Odourless
4.5-7.0
85 mesh
10.0 to 12.0
98% Min
0.25% Max
0.4% Max
36-45 sec
800-100 cps
0.6% Max

4. Resin being used since commissioning

- **Indion –225 & Indion – 860**

5. Ash content – Feed
Treated Glucose

- **1 % as NaCl**
- **0.2 % as NaCl**

Stream - 1	SAC	WBA
Number of units	2	2
Vessel dia x HOS - mm	1800 x 2200	1800 x 3200
Resin being used	Indion 225	Indion - 860
Resin qty – ltrs.	3420	4050
Regenerant qty kgs as 100 %	342 - HCL	405 - NaOH
Regeneration level kgs / m³	100	100
Service flow – m³/hr	11	11
OBR – m³	45	45