



MANSIL-ZX[®] (F)

SYNTHETIC SODIUM ALUMINO SILICATE

DESCRIPTION

Mansil ZX is amorphous, odorless and fine white powder. It is widely used as Food Additive and Anti-Caking Agent.

SPECIFICATIONS

SR. NO.	PHYSICO-CHEMICAL PROPERTIES	UNIT	TEST VALUES	TEST METHOD
1	Appearance	**	White fine powder	Visual
2	Oil absorption(DBP/DOP)	ml/100g	140 Min	ISO787/5
3	Average Particle Size (d50)	micron	9.0 max	Laser diffraction
4	Moisture Content (at 105 degree °C)	%	6.0 max	ISO 787 / 2
5	pH (5g/95 g water suspension)	**	10 – 11.5	ISO 787 /9
6	Loss on Ignition-dry basis(at 1000 degree C)	%	14 max	ISO 3262 /11
7	Wet Sieve Residue on 325 Mesh	%	0.1 Max	--
8	Tapped Bulk Density	g/l	250 ± 50	ISO 787/11
9	SiO ₂ Content(Dry basis)	%	82	ISO 3262 /19
10	Fe ₂ O ₃	ppm	300 max	--
11	Al ₂ O ₃	%	8.5	--
12	Microbiological Analysis			
	1. TVC	Cfu/g	< 300	--
	2. Y & M	Cfu/g	< 100	--

APPLICATIONS: Mansil ZX is widely used in Food Products as an Anti-caking Agent. It improves free flow characteristics and shelf life of the product. It also helps to prevent dry food powders from clumping, forming semi-solid or solid lumps. Processing of foods often includes mixing dry powders together. Anticaking agents absorb excess moisture and may also coat particles to make them water repellent. This reduces the formation of clumps or lumps by ensuring that all dry ingredients mix together uniformly. As a result, the free-flowing food products better survive packaging, transport and shelf life.

PACKING & LOGISTICS	GRADE	NET WEIGHT PER BAG (KG)	SHIPMENTS (MT)				
			TRUCK LOAD	CONTAINER LOAD			
				UNPALLETIZED		PALLETIZED	
				20' FCL	40' FCL	20' FCL	40' FCL
	MANSIL ZX (F)	25	9 MT	9.5 MT	21.5 MT	7.2 MT	16.2 MT



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