

Technical Data Sheet

Sodium Silicate Granules				
Product		Sodium Silicate Granules		
Grade		Alkaline		
Product Code		AP-500C		
Technical Data Sheet (Properties)				
Chemical Properties				
Sr. No	Characteristic	Unit	Specification	Test Method
1	Weight. Ratio (SiO ₂ :Na ₂ O)	-	2.0-2.1	IS-14212:1995
2	Molar. Ratio (SiO ₂ :Na ₂ O)	-	2.05-2.21	IS-14212:1995
3	Na ₂ O Content	%	27-30	IS-14212:1995
4	SiO ₂ Content	%	55-58	IS-14212:1995
5	Arsenic	ppm	< 1	ICP OES
6	Mercury	ppm	< 0.5	ICP OES
7	Lead	ppm	<1	ICP OES
Physical Properties				
8	Appearance	-	White Free flowing Granules	Visually
9	Moisture	%	5 Max	-
10	Bulk Density	gm/liter	480-580	Untapped
11	Particle Size Mean	Micron	135-150	ASTM MESH
	Lower Specification Limit	Micron	75	ASTM MESH
	Upper Specification Limit	Micron	500	ASTM MESH

Packing loading & shelf life.

Packing	25KG/50KG PP bag with PE liner, 600 KG super sack with PE liner, 25KG/50KG PP bag with PE liner packed in super sack 600 - 700 KG
Loading – W/o Pallet	25KG&50KG – 20mt/20FCL; 600 - 700KG-24mt/40HQ
Loading – On Pallet	25KG&50KG – 12to14mt/20FCL; 25KG&50KG – -24to28mt/40FCL, 600 - 700KG-12mt/20HQ;24mt/40HQ (Two super sack on each pallet)
Shelf Life	12 Month under proper storage condition*

*** Proper Storage condition: Keep container tightly closed, keep in cool, dry and ventilated place, and avoid strong acid**