

Technical Data Sheet

Sodium Silicate Powder				
Product		Sodium Silicate Powder		
Grade		Alkaline		
Product Code		AP-200B		
Technical Data Sheet (Properties)				
Chemical Properties				
Sr. No	Characteristic	Unit	Specification	Test Method
1	Weight. Ratio (SiO ₂ :Na ₂ O)	-	2.1-2.2	IS-14212:1995
2	Molar. Ratio (SiO ₂ :Na ₂ O)	-	2.15-2.27	IS-14212:1995
3	Na ₂ O Content	%	25-29	IS-14212:1995
4	SiO ₂ Content	%	56-60	IS-14212:1995
Physical Properties				
5	Appearance	-	White Free Flowing Powder/Granules	Visually
6	Moisture	%	5 Max	-
7	Bulk Density	gm/liter	80-150	Untapped

Packing loading & shelf life.

Packing	25KG PP bag with PE liner, 25KG/50KG PP Bag with PE liner packed in super sack 300 KG
Loading – W/o Pallet	25KG – 10mt/20HQ;21mt/40HQ 300 KG Super Sack – 6MT/20FCL; 12MT/40FCL
Loading – On Pallet	25KG – 6mt/20FCL; 12MT/40FCL
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.*

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*

Technical Data Sheet

Sodium Silicate Powder				
Product		Sodium Silicate Powder		
Grade		Alkaline		
Product Code		AP-650D		
Technical Data Sheet (Properties)				
Chemical Properties				
Sr. No	Characteristic	Unit	Specification	Test Method
1	Weight. Ratio (SiO ₂ :Na ₂ O)	-	2.1-2.2	IS-14212:1995
2	Molar. Ratio (SiO ₂ :Na ₂ O)	-	2.15-2.27	IS-14212:1995
3	Na ₂ O Content	%	26-30	IS-14212:1995
4	SiO ₂ Content	%	55-60	IS-14212:1995
Physical Properties				
5	Appearance	-	White Free Flowing Powder/Granules	Visually
6	Moisture	%	7 Max	-
7	Bulk Density	gm/liter	650-750	Untapped

Packing loading & shelf life.

Packing	25KG PP bag with PE liner, 25KG/50KG PP Bag with PE liner packed in super sack 300 KG
Loading – W/o Pallet	25KG – 10mt/20HQ;21mt/40HQ 300 KG Super Sack – 6MT/20FCL; 12MT/40FCL
Loading – On Pallet	25KG – 6mt/20FCL; 12MT/40FCL
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.*

Technical Data Sheet

Sodium Silicate Powder				
Product		Sodium Silicate Powder		
Grade		Neutral		
Product Code		NP-600B		
Technical Data Sheet (Properties)				
Chemical Properties				
Sr. No	Characteristic	Unit	Specification	Test Method
1	Weight. Ratio (SiO ₂ :Na ₂ O)	-	3.1-3.2	IS-14212:1995
2	Molar. Ratio (SiO ₂ :Na ₂ O)	-	3.2-3.3	IS-14212:1995
3	Na ₂ O Content	%	18-23	IS-14212:1995
4	SiO ₂ Content	%	64-66	IS-14212:1995
Physical Properties				
5	Appearance	-	White free flowing Powder	Visually
6	Moisture	%	5 Max	-
7	Bulk Density	gm/liter	550-650	Untapped

Packing loading & shelf life.

Packing	25KG/50KG PP bag 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-12mt/20HQ;24mt/40HQ
Loading – On Pallet	25KG&50KG – 12to14mt/20FCL;24mt/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*

Technical Data Sheet

Sodium Silicate Powder				
Product		Sodium Silicate Powder		
Grade		Neutral		
Product Code		NP-700C		
Technical Data Sheet (Properties)				
Chemical Properties				
Sr. No	Characteristic	Unit	Specification	Test Method
1	Weight. Ratio (SiO ₂ :Na ₂ O)	-	3.1-3.2	IS-14212:1995
2	Molar. Ratio (SiO ₂ :Na ₂ O)	-	3.2-3.3	IS-14212:1995
3	Na ₂ O Content	%	18-23	IS-14212:1995
4	SiO ₂ Content	%	64-66	IS-14212:1995
Physical Properties				
5	Appearance	-	White free flowing Powder	Visually
6	Moisture	%	5 Max	-
7	Bulk Density	gm/liter	650-750	Untapped

Packing loading & shelf life.

Packing	25KG/50KG PP bag 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-12mt/20HQ;24mt/40HQ
Loading – On Pallet	25KG&50KG – 12to14mt/20FCL;24mt/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*

REGISTERED OFFICE

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Technical Data Sheet

Sodium Silicate Powder				
Product		Sodium Silicate Powder		
Grade		Neutral		
Product Code		NP-500A		
Technical Data Sheet (Properties)				
Chemical Properties				
Sr. No	Characteristic	Unit	Specification	Test Method
1	Weight. Ratio (SiO ₂ :Na ₂ O)	-	3.1-3.2	IS-14212:1995
2	Molar. Ratio (SiO ₂ :Na ₂ O)	-	3.2-3.3	IS-14212:1995
3	Na ₂ O Content	%	18-23	IS-14212:1995
4	SiO ₂ Content	%	64-66	IS-14212:1995
Physical Properties				
5	Appearance	-	White free flowing Powder	Visually
6	Moisture	%	5 Max	-
7	Bulk Density	gm/liter	450-550	Untapped

Packing loading & shelf life.

Packing	25KG/50KG PP bag 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-12mt/20HQ;24mt/40HQ
Loading – On Pallet	25KG&50KG – 12to14mt/20FCL;24mt/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*

Technical Data Sheet

Sodium Silicate Powder				
Product		Sodium Silicate Powder		
Grade		Alkaline		
Product Code		AP-200A		
Technical Data Sheet (Properties)				
Chemical Properties				
Sr. No	Characteristic	Unit	Specification	Test Method
1	Weight. Ratio (SiO ₂ :Na ₂ O)	-	1.95-2.10	IS-14212:1995
2	Molar. Ratio (SiO ₂ :Na ₂ O)	-	2.05 -2.15	IS-14212:1995
3	Na ₂ O Content	%	27-30	IS-14212:1995
4	SiO ₂ Content	%	54-58	IS-14212:1995
Physical Properties				
5	Appearance	-	White free flowing Powder	Visually
6	Moisture	%	5 Max	-
7	Bulk Density	gm/liter	150-300	Untapped

Packing loading & shelf life.

Packing	25KG PP bag with PE liner, 25KG/50KG PP bag with PE liner packed in super sack 300 KG
Loading – W/o Pallet	25KG – 10mt/20HQ;21mt/40HQ 300 KG Super Sack – 6MT/20FCL; 12MT/40FCL
Loading – On Pallet	25KG – 6mt/20FCL; 12MT/40FCL
Shelf Life	12 Month under proper storage condition*

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