

Soda Ash – Dense Grade

Specification Sheet

Test		Pakistan Standard (PSS 10-1979)
Physical Test		
Bulk Density	950-1200 gm/l	1100
Description	White	White
Sieve Analysis		
+1 mm Sieve Size	Max10%	7.0
-0.125 mm Sieve Size	Max 10%	5.5
Chemicals Consumption		
Na₂CO₃	Min 98%	99.0
NaCl	Max 0.85%	0.40
Fe₂O₃	Max 0.007%	0.003
Na₂SO₄	Max 0.08%	0.038
Water Insoluble	Max 0.15%	0.042

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Soda Ash – Light Grade

Specification Sheet

Test		Pakistan Standard (PSS 10-1979)
Physical Test		
Bulk Density	450-600 gm/l	586
Description	White	White
Chemicals Consumption		
Na₂CO₃	Min 98%	99.0
NaCl	Max 0.85%	0.45
Fe₂O₃	Max 0.007%	0.0031
Na₂SO₄	Max 0.08%	0.038
Water Insoluble	Max 0.15%	0.046

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Refined Sodium Bicarbonate

Specification Sheet

Test		UOM	Pakistan Standard (PSS 10-1979)
Physical Test			
Appearance		white	White (free flowing powder)
Clarity (10% Solution)		Clear	clear

Chemicals Consumption			
Ph	-	8.5	8.2
NaHCO ₃	%	99 (min.)	99.6
Chloride as Cl ⁻	ppm	150	148
Sulphate as SO ₄ ⁻	ppm	150	70
Water Insoluble Matter	%	0.01 (max.)	0.008
Iron as Fe ⁺⁺	ppm	20	12
Calcium as Ca ⁺⁺	ppm	100	70
Lead	ppm	≤ 5	NIL
Arsenic	ppm	3	NIL
Loss on Drying (LOD)	%	≤ 0.2	0.18

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