



Heavy Soda-Ash

Description:

White, granule, hygroscopic, easily dissolved in water, clear and colorless in water solution material. Main compound is Sodium Carbonate.

Standard No: TS 525 TYPE 3D

Chemical Specifications:

Sodium Carbonate, (Na ₂ CO ₃) (%)	99.30 min.
Sodium Chloride, (NaCl) (%)	0.25 max.
Iron, (Fe) (ppm)	15 max.
Insoluble matter in water (%)	0.01 max.
Sulfate, SO ₄ ²⁻ (%)	0,027 max.

Physical Specifications:

Structure of the Material : Free flowing granular

Heavy Soda Ash is produced in two different types:

a- Coarse Granular

b- Fine Granular

	Fine Granular %	Coarse Granular %
> 1.180 mm	negligible	1 max.
> 0.500 mm.	15 max.	-
> 0.150 mm.	80 min.	-
< 0.150 mm	-	10 max.
< 0.106 mm	5 max.	-

Visible Density (gr/cm ³) :	
Coarse Granular	: 1.00 - 1.16
Fine Granular	: 0.85 - 1.10

Determination by a contract clause, material with distribution of different grain dimension can be provided upon request.

Packaging:

- In block-bottom laminated polypropylene (PP) bags of 25 or 50 kgs each.
- Palletized and shrink-wrapped 1000 or 1250 kgs each, containing 25 kgs or 50 kgs block-bottom PP bags.
- In polypropylene big-bags with in-liner and four loops 1000 kgs each.
- In bulk
- Please contact to sales department for the 50 kg four layer kraft paper with polyethylene liner valve bag option.

Control:

According to TS 525 and Soda Sanayii A.Ş. Soda Plant HEAVY SODA ASH Control (analysis) Instruction.

Uses:

Glass, detergent, chemical industries and production of other sodium compounds.



Determined specifications of our products is valid for conditions under our control.
Please refer to Material Safety Data Sheet of Heavy Soda Ash for Handling, storage and end use.



ŞİŞECAM

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Light Soda-Ash

Description:

White, powder, hygroscopic, easily dissolved in water, clear and colorless in water solution material. Main compound is Sodium Carbonate.

Standard No: TS 525 TYPE 3B

Chemical Specifications:

Sodium Carbonate, (Na ₂ CO ₃) (%)	99.10 min.
Sodium Chloride, (NaCl) (%)	0.25 max.
Iron, (Fe) (ppm)	15 max.
Insoluble matter in water (%)	0.01 max.
Sulfate, SO ₄ ²⁻ (%)	0,027 max.

Physical Specifications:

Structure of the Material: Free flowing powder
Standard density : 0.47 - 0,59 gr/cm³

Packaging:

- In block-bottom laminated polypropylene (PP) bags of 25 or 40 kgs. each
- Palletized and shrink-wrapped 1000 kg. each, containing 25 kg. laminated block-bottom PP bags.
- In polypropylene big-bags with polyethylene (PE) in-liner and four loops, 650 or 1000 kgs. each
- In bulk

Control:

According to TS 525 and Soda Sanayii A.Ş. Soda Plant LIGHT SODA ASH Control (analysis) Instruction.

Uses:

Glass, detergent, textile, chemical, paper industries and production of other sodium compounds.



Determined specifications of our products is valid for conditions under our control.
Please refer to Material Safety Data Sheet of Light Soda for handling, storage and end use.



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Refined Sodium Bicarbonate (Food Grade)

Description:

Powder consisted of white, opaque, tiny monoclinic crystals or very tiny crystals. A light alkali material dissolved in water which yields clear and colorless solution. Main compound is Sodium Bicarbonate.

Standard No: Sodium Bicarbonate used as food type in medicine and food, is appropriate for TS 10379 Standard.

Chemical Specifications:

Sodium Bicarbonate, NaHCO ₃ (%)	99.30 min.
Sodium Carbonate, Na ₂ CO ₃ (%)	0.50 max.
Chloride Ion, Cl ⁻ (ppm)	100 max.
Iron, Fe ⁺³ (ppm)	6 max.
Sulphate, SO ₄ (ppm)	100 max.
Insoluble matter in water (ppm)	200 max.
pH (1% solution)	8.5 max.

Physical Specifications:

Structure of the Material: Free flowing tiny crystals.

Classified according to crystal sizes as:

1. Standard Food Grade
2. Fine Granular Food Grade
3. Coarse Granular Food Grade
4. Extra Coarse Granular Food Grade

Screen Analysis:

	Standard Food Grade	Fine Granular Food Grade	Coarse Granular Food Grade	Extra Coarse Granular
Food Grade				
> 0,600 mm (%)	negligible	-	-	-
> 0,250 mm (%)	-	0.10 max.	7.5 min.	60-90
< 0,150 mm (%)	-	-	-	10 max.
> 0,125 mm (%)	-	22.50 max.	70.0 min.	-
< 0,125 mm (%)	-	77.50 max.	11.0 max.	-

Packaging:

- In 25 or 50 kg block-bottom laminated polypropylene (PP) bags.
- In 25 kg or 50 kg block-bottom laminated polypropylene bags palletized and shrink-wrapped 1000 or 1250 kgs each.
- In polypropylene bigbags with in-liner and four loops 1000 kgs each.
- Please contact to sales department for the 25 kg (3 layer kraft + 1 layer polyethylene) kraft bags option for large amount inquiries.
- Please contact to sales department for the 50 kg (4 layer kraft + 1 layer polyethylene) kraft bags option for large amount inquiries.

Control:

According to TS 10379 Soda Sanayii A.Ş, Soda Plant REFINED SODIUM BICARBONATE Control (analysis) Instruction.

Uses:

Food, animal feed and medicine industries.



Determined specifications of our products is valid for conditions under our control. Please refer to Material Safety Data Sheet of Sodium Bicarbonate for handling, storage and end use.

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Refined Sodium Bicarbonate (Technical Grade)

Description:

Powder consisted of white, opaque tiny monoclinic crystals or very tiny crystals. A light alkali material easily dissolved in water which yields clear and colorless in solution. Main compound is Sodium Bicarbonate.

Standard No: Technical Sodium Bicarbonate used in industry, is appropriate for TS 3050 Standard.

Chemical Specifications:

Sodium Bicarbonate, NaHCO ₃ (%)	99.10 min.
Sodium Carbonate, Na ₂ CO ₃ (%)	0.70 max.
Chloride, Ion Cl ⁻ (ppm)	300 max.
Iron, Fe ⁺³ (ppm)	40 max.
Sulphate, SO ₄ (ppm)	400 max.
Insoluble matter in water (ppm)	1000 max.
pH (1% solution)	8.8 max.

Physical Specifications:

Structure of the Material: Free flowing tiny crystals.

Screen Analysis : Over 0,600 mm screen analysis amount is negligible

Packaging:

- In block-bottom laminated polypropylene (PP) bags of 50 kgs each.
- Palletized and shrink-wrapped 1000 or 1250 kgs each, containing 50 kgs block-bottom PP bags.
- In polypropylene big-bags with in-liner and four loops, 1000 kgs each.

Control:

According to TS 3050 and Soda Sanayii A.Ş., Soda Plant REFINED SODIUM BICARBONATE Control (analysis) Instruction.

Uses:

Leather, detergent, chemical industries, textile.



Determined specifications of our products is valid for conditions under our control.
Please refer to Material Safety Data Sheet of Sodium Bicarbonate for handling, storage and end use.



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Sodium Silicate

Description:

A transparent material with light blue-green colored, indefinite shape and dimensions, not easily dissolved in water, act easily grinded, turned into white powder when grinded. Dissolved under pressure in water. Its solution is alkali. In proportion with material amount in solution, viscosity increases. In the composition which consists of three SiO₂ molecules named as THREE MOLECULES whereas consists of two SiO₂ molecules named as TWO MOLECULES.

Standard No: TS4624

Physical and Chemical Specifications:

Structure of the Material	SOLID		LIQUID	
	Neutral	Alkaline	Neutral	Alkaline
Name	Sodium Silicate (3 Modules)	Sodium Silicate (2 Modules)	Sodium Silicate (3 Modules)	Sodium Silicate (2 Modules)
Color	Light (Blue-Green)	Light (Blue-Green)	Colorless (Transparent)	Colorless (Transparent)
Molecular Ratio	3.2 - 3.5	2.0 - 2.2	3.2 - 3.5	2.0 - 2.2
Sodium Oxide (Na ₂ O) (%)	22.5 - 24.0	31.70 - 33.80	23.0 - 24.5	32.5 - 34.0
Silicium Dioxide (SiO ₂) (%)	75.0 - 76.5	65.50 - 67.50	75.5 - 77.0	66.0 - 67.0
Aluminium Oxide (Al ₂ O ₃) (%)	0.4 max.	0.4 max.		
Iron (3) Oxide (Fe ₂ O ₃) (%)	0.05 max.	0.05 max.		
Calcium Oxide (CaO) (%)	0.06 max.	0.05 max.		
Titanium Oxide (TiO ₂) (%)	0.04 max.	0.03 max.		
Magnesium Oxide (MgO) (%)	0.10 max.	0.10 max.		
Potassium Oxide (K ₂ O) (%)	0.10 max.	0.10 max.		
Insoluble material in water (%)	1.0 max.	0.8 max.	-	-
Concentration Bé			38 - 40	38 - 40 48 - 50 58 - 60

Packaging:

Solid:

- In 50kg. double layer (polypropylene woven with + polyethylene in-liner) combined bag
- In laminated polypropylene (PP) big-bags with four loops, 1000 kgs each.

Liquid:

- In 220lt. Barrels
- In bulk

Control:

According to Soda Sanayii A.Ş. Soda Plant SODIUM SILICATE Control (analysis) Instructions.

Uses:

Detergent and soap, paper, textile, petroleum, chemical industries, concrete additives, silica derivatives production.



Determined specifications of our products is valid for conditions under our control.
Please refer to Material Safety Data Sheet of Sodium Silicate for handling, storage and end use.



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