

DESCRIPTION:

White, opaque, monoclinic crystal or powder consisting of very small granules. A substance which is light alkali, soluble in water, its solution in water is clear and colorless. Main composition is Sodium Bicarbonate.

It is produced under the permission of Republic of Turkey Ministry of Food, Agriculture and Livestock 05/10/2012 date and TR-33-K-001962 number.

CHEMICAL NAME	: Sodium Hydrogen Carbonate
STANDARD NO	: It conforms to TS 10379
EINECS NO	: 205-633-8
CAS NO	: 144-55-8
EC CODE	: E 500 (ii)

CHEMICAL SPECIFICATIONS:

	NORM	REFERENCE NORM
Sodium Bicarbonate, NaHCO_3 (%)	Min. 99.30	TS 10379 (Min. 99.20)
Sodium Carbonate, Na_2CO_3 (%)	Max. 0.50	TS 10379 (Max. 0.60)
Chloride Ion, Cl^- (ppm)	Max. 100	TS 10379 (Max. 100)
Iron, Fe^{+3} (ppm)	Max. 6	TS 10379 (Max. 15)
Sulfate, SO_4^{2-} (ppm)	Max. 100	TS 10379 (Max. 500)
Subs. doesn't dissolve in water (ppm)	Max. 200	TS 10379 (Max. 500)
pH (% 1 solution)	Max. 8.5	TS 10379 (Max. 8.6)
Copper, Cu (ppm)	Max. 1	TS 10379 (Max. 30)
Arsenic, As (ppm)	Max. 1	2003/100/EC (Max. 2) / 2011/574/EC (Max. 2)/ 2012/231/EC (Max. 3)
Lead, Pb (ppm)	Max. 2	2003/100/EC (Max. 5) / 2008/84/EC (Max. 5)/ 2012/231/EC (Max. 2)
Mercury, Hg (ppm)	Max. 0.1	2002/32/EC (Max. 0.1) / 2011/574/EC (Max. 0.1) /2012/231/EC (Max. 1)
Loss on drying (%)	Max. 0.25	2000/63/EC (Max. 0.25)
Amonium Components	App. Exp.	TS 3050 (comply with the experiment) / 2008/84/ EC (app. exp.)
Cadmium, Cd (ppm)	Max. 0.5	2002/32/EC (Max. 0.5) / 2011/574/EC (Max. 2)

TS 10379 : Turkish Standard Institution: Sodium Hydrogen Carbonate Standard

2008/84/EC : Specific Purity Criteria On Food Additives Other Than Colors And Sweeteners

2011/574/EC : Annex I to Directive 2002/32/EC of the European Parliament and of the Council on undesirable substances in animal feed

2012/231/EC : Laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008

PHYSICAL SPECIFICATIONS:

Physical Condition : Free flowing tiny granule.
Solubility : Soluble in water, insoluble in ethanol.

Classification according to particle size:

SIEVE ANALYSIS	FINE GRANULAR	STANDARD	COARSE	ULTRA COARSE
> 0.600 mm (%)	-	Trace	-	-
> 0.250 mm (%)	Max. 0.10	-	Min. 7.5	70 - 95
< 0.150 mm (%)	-	-	-	Max. 10
> 0.125 mm (%)	Max. 22.50	-	Min. 60.0	-
< 0.125 mm (%)	Min. 77.50	-	Max. 11.0	-
Density (gr/cm3)	-	-	-	0.85-1.00

MICROBIOLOGICAL SPECIFICATIONS:

TYPE OF BACTERIA	UNIT	NORM
Enterobacteriaceae	Kob/gr	Max. 100
Yeast Mold	Kob/gr	Max. 1000
Salmonella	Kob/25 gr	Does not exist

PACKAGING:

- 25 kg fully sealed, block bottom, laminated PP, PE, Kraft bags on shrink wrapped pallets.
- 25 kg PP bags in 1350 kg packets. (without pallets)
- 1000 kg and 1250 kg laminated PP Big Bags with 4 loops.

CONFORMITY:

It is controlled according to TS 10379 and Soda Sanayii A.Ş. Soda Factory's "Control (Analysis) Instruction" document number 22-43-16.

Product's characteristics are valid under our controlled conditions. Warnings in MSDS should be taken into consideration.

Product has Kosher and Halal Certificates.

It conforms to Turkish Food Codex.

APPLICATIONS:

Food and personal care industries.