



ŞİŞECAM SODIUM BICARBONATE

FOOD GRADE

Date of issue : 28/01/2021
Revision No : 11

Chemical formula:	NaHCO ₃
Chemical name:	Sodium Hydrogen Carbonate
Trade name:	Sodium bicarbonate food grade
Molecular weight:	84
EINECS - N°:	205-633-8
CAS - N°:	144-55-8
EC CODE:	E500 (ii)

CHEMICAL SPECIFICATIONS:

	UNIT	NORM
Sodium bicarbonate, NaHCO ₃	%	99,30 min.
Sodium carbonate, Na ₂ CO ₃	%	0,60 max.
Iron as Fe ₂ O ₃	ppm	6,00 max.
Sulphate, SO ₄ ²⁻	ppm	150 max.
Chloride ion, Cl ⁻	ppm	100 max.
pH (1% solution)	-	8,60 max.
Insoluble matter in water	ppm	200 max.
Loss on drying	%	0,25 max.
Arsenic, As	ppm	1,00 max.
Lead, Pb	ppm	2,00 max.
Mercury, Hg	ppm	0,10 max.
Cadmium, Cd	ppm	0,50 max.
Copper, Cu	ppm	1,00 max.

2008/84/EC Specific Purity Criteria On Food Additives Other Than Colors And Sweeteners.
2012/231/EC Laying down specifications for food additives listed in Annexes II and III to
Regulation (EC) No 1333/2008

APPEARANCE:

White, opaque, monoclinic crystal of 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.

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	EXTRA COARSE GRANULAR
> 0,250 mm (%)	5 max.	-	70-95
< 0,150 mm (%)	-	-	10 max.
> 0,125 mm (%)	10-30	-	-
< 0,125 mm (%)	65 min.	-	-
Bulk density (g/cm ³)		1,00-1,25	0,90-1,15



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MICROBIOLOGICAL SPECIFICATIONS:

TYPE OF BACTERIA	UNIT	NORM
Enterobacteriaceae	Cfu/gr	100 max.
Molds and fungi	Cfu/gr	1000 max.
Salmonella		Negative

PACKAGING:

- 25 kg fully sealed PE bags with or without wooden pallets covered with stretch hood.
- 25 kg PE bags in 1000 kg PP Big Bags
- 1000 kg PP Big Bags with PE inner layer, and 1350 kg laminated PP Big Bags, all with 4 loops, with or without wooden pallets.
- Bulk

TRANSPORT AND STORAGE:

Sodium Bicarbonate should be transported in closed, clean, dry, and odorless means of transport. Soda is hygroscopic substance; product should be kept in a dry, well-ventilated places, protected against moisture and/or from getting wet. During storage and transport, Sodium Bicarbonate may create soft, easily disintegrated lumps.

EXPIRY DATE:

Guaranteed shelf life is 2 years from the production date when properly stored. After this period, the product should be controlled again. If the parameters comply with the requirements, the product can be used further.

CONFORMITY:

It is controlled according to SSL Control (analysis) Work instruction (US Pharmacopeia XXI and European Pharmacopoeia, Food Chemical Codex, ASTM E359, ISO 6227, ISO 743, ISO 746)

Characteristics of our product are valid under controlled conditions. Warnings in Material Safety Data Sheet should be taken into consideration.

CERTIFICATES:

ISO 9001, ISO 14001, ISO 45001, ISO 50001, ISO 22000, HACCP, HALAL, KOSHER.

APPLICATIONS:

Food and personal care industries.



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