



Technical Information

01.12.2023

Sodium Bicarbonate N Food Grade

Chemical formula:	NaHCO ₃
CAS-No.:	144-55-8
EC-No.:	205-633-8
REACH:	01-2119457606-32-XXXX
HS Code:	28363000
Appearance:	White crystalline powder pH 1% aqueous solution: 8.0 – 8.6
Solubility:	Dissolves easily in water, practically insoluble in ethanol 96%

Product compliant with current European regulations for food additives and the EN 898 standard (water treatment). Product contains neither GMOs nor allergens, and has no TSE/BSE risk. Manufacturer's Kosher, Halal and COSMOS certificates available.

Characteristic	Unit	Specification
Sodium bicarbonate (NaHCO ₃)	%	≥ 99.0
Sodium carbonate (Na ₂ CO ₃)	%	≤ 1
Loss on drying (H ₂ O)	%	≤ 0.25
Ammonium (NH ₄)	mg/kg	odourless
Arsenic (As)	mg/kg	≤ 2
Lead (Pb)	mg/kg	≤ 2
Mercury (Hg)	mg/kg	≤ 1
Heavy metals	mg/kg	≤ 5

Characteristic as per EN 898	Unit	Specification
Iron (Fe)	mg/kg	≤ 5
Insoluble materials	mg/kg	< 200



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Particle size distribution	Unit	Specification
> 100 µm	%	≥ 60
Density	kg/m ³	≥ 900

Packaging: 25 kg PE bags, 1,200 kg on one-way pallet;
1,200 kg or 1,000 kg pliable container on one-way pallet.

Storage conditions: Pallets should not be stacked;
Store in a cool, dry place, sheltered from bad weather;
In long-term storage, compaction can cause caking;
Hygroscopic product.
Best-before date:
▪ 24 months

Main uses: Food additive E 500(ii);
Water treatment;
Cosmetics (COSMOS certification);
Compliant with the current version of Food Chemicals Codex.

This document has been created only for informational purposes to the best knowledge of CHEMISCHE FABRIK KALK GMBH and within the framework of the quality management. All previous versions shall be superseded by the current version. The information given above does not constitute a legally binding assurance of certain characteristics of the product or certain properties for a specific use. It does not exempt the client from the obligation of carrying out an incoming goods inspection and does not justify any third party claims. The Material Safety Data Sheet is to be observed.

Reference: FT_BC_Alum_V03_11/2023

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