



Technical Information

01.12.2023

Sodium Bicarbonate P 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
> 180 µm	%	≤ 15
> 45 µm	%	≥ 30
Density	kg/m ³	≥ 800

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.

Additive: Calcium stearate may be added to make the product hydrophobic.

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Reference: FT_BC_Alum_V03_11/2023

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