



**CHEMICAL FORMULA**

- $\text{NaHCO}_3$
- Molecular weight: 84g/mol

**SUBSTANCE**

- Sodium Bicarbonate
- pH 1% aqueous solution: 8.0 - 8.6

**GRADE**

- CAS No.: 144-55-8
- EINECS No.: 205-633-8
- REACH: 01-2119457606-32-0011
- CLP: Not classified

**APPEARANCE**

- White crystalline powder

**SOLUBILITY**

- Dissolves easily in water, practically insoluble in ethanol 96%

**PRIMARY USES**

- Food additive E500ii, water treatment, cosmetics (COSMOS certification)
- Compliant with the current version of the Food Chemicals Codex

Product compliant with EU 231/2012 regulations (purity criteria for food additives) and the NF EN 898 standard (water treatment). Kosher and Halal certification. Product contains neither GMOs nor allergens, and has no TSE/BSE risk.

Chemical parameters	Specifications
Sodium Bicarbonate ( $\text{NaHCO}_3$ ) content, dry basis, %	$\geq 99.0$
Sodium Carbonate ( $\text{Na}_2\text{CO}_3$ ), %	$\leq 1$
Water ( $\text{H}_2\text{O}$ ) content, %	$\leq 0.25$
Ammonium ( $\text{NH}_4$ ), mg/kg	Odourless
Arsenic (As), mg/kg	$\leq 2$
Lead (Pb), mg/kg	$\leq 2$
Mercury (Hg), mg/kg	$\leq 1$
Heavy metals, mg/kg	$\leq 5$

Chemical parameters as per NF EN 898	Specifications
Iron (Fe), mg/kg	$\leq 5$
Insoluble materials, mg/kg	$< 200$



## Specifications

Particle size distribution	BC UCG Grade	BC N Grade	BC P Grade	BC GF Grade	BC EF Grade
> 500µm, %	≤ 5				
> 250µm, %	≥ 50				
> 180µm, %			≤ 15	≤ 1	
> 150µm, %					≤ 1
> 100µm, %	≥ 95	≥ 60			
> 50µm, %	≥ 99				
> 45µm, %			≥ 30	≥ 85	≥ 10
Density (kg/m <sup>3</sup> )	≥ 1050	≥ 900	≥ 800		

Packaging	BC UCG Grade	BC N Grade	BC P Grade	BC GF Grade	BC EF Grade
	- Pliable container	- 25kg PE bag - Pliable container		- 25kg paper bag	
Best-before date (BBD)	- 24 months	- 24 months		- 12 months	

### 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

### ADDITIVES

- Calcium stearate may be added to BC P/BC EF/BC GF to make them hydrophobic



**COSMOS  
 APPROVED**

