

## TDS/Technical Data Sheet - PDS/Product Data Sheet Batch Analysis

### SODIUM BICARBONATE

(Synonyms: Natron, Baking Soda, Bicarbonate of Soda, Sodium Hydrogen Carbonate)

E500 (ii) Food/Alimentary Grade  
 STANDARD Particle Size (NK)

Manufactured in accordance with the E500 (ii) European Union Regulations/Directives  
 on Food & FCC/Food Chemical Codex current European Regulation 231/2012/EC

**Batch No.: 050117110032020 - MFG/Date of Manufacture: 10.03.2020 - EXP/Expiry Date: 10.03.2022**

Appearance	White pulverulent			
Appearance of solution	Clear and colorless			
CAS No.	144-55-8			
Chemical formula	NaHCQ3			
Molecular weight	84,01			
Packing	25 kg net original bags			
Solubility	Soluble in water, Insoluble in ethanol			
<b>Chemical Analysis:</b>	<b>Guarantee Values:</b>	<b>Batch Values:</b>	<b>Method:</b>	
Bulk density	g/ml	0,950 - 1,200	1,162	E500ii/FCC
Identification A (Sodium)		Positive/passes test	Positive/passes test	E500ii/FCC
Identification B (Bicarbonate)		Positive/passes test	Positive/passes test	E500ii/FCC
NaHCQ3	%	99,0-100,5	99,92	E500ii/FCC
Na2CO3	%	n/a	0,35	-
Loss on drying	%	< 0,25	0,04	E500ii/FCC
Water insoluble	%	< 0,010	0,005	E500ii/FCC
Carbonate pH-value (1% solution)		8.1 - 8,6	8,30	E500ii/FCC
Aluminium (Al)	%	< 0,0002	< 0,0002	E500ii/FCC
Ammonium, limit of (NH4)	%	< 0,0020	< 0,0020	E500ii/FCC
Ammonium (NH3)		No NH3 smell when heated	No NH3smell when heated	E500ii/FCC
Heavy metals (as Pb) (Pb)	%	< 0,0002	< 0,0001	E500ii/FCC
Arsenic (As)	%	< 0,0003	< 0,0001	E500ii/FCC
Lead (Pb)	%	< 0,0002	< 0,0001	E500ii/FCC
Mercury (Hg)	%	< 0,0001	< 0,0001	E500ii/FCC
Cadmium (Cd)	%	< 0,0001	< 0,0001	-
Chloride (Cl)	%	< 0,0150	0,0032	E500ii/FCC
Iron (Fe)	%	< 0,0005	0,0002	E500ii/FCC
<b>Particle size distribution:</b>	<b>Limit Value:</b>	<b>Batch Values:</b>	<b>Method:</b>	
< 0,500 mm	%	95,0 - 100,0	99,8	Sieves
< 0,315 mm	%	90,0 - 100,0	95,4	Sieves
< 0,200 mm	%	70,0 - 95,0	80,9	Sieves
< 0,100 mm	%	25,0 - 65,0	45,6	Sieves