

## TECHNICAL DATA SHEET

Effective date: 04.2024  
Rev.1

### SODIUM BICARBONATE

#### INFORMATION ON SUBSTANCE / MIXTURE

INCI	Sodium Bicarbonate
Synonyms	Sodium Hydrogen Carbonate; Sodium Acid Carbonate; Baking Soda
Formula	NaHCO <sub>3</sub>

#### TECHNICAL DATA

##### Physical parameters

Appearance	Solid crystalline powder
Color	White
Odor	Characteristic
Solubility	Soluble in water. Insoluble in ethanol.
Bulk Density	0.75-1.15 g/cm <sup>3</sup>
Particle Size +75 mikron / micron (μm)	20-90 %
Particle Size +45 mikron / micron (μm)	60-100 %

##### Chemical parameters

NaHCO <sub>3</sub>	99.3 min %
Na <sub>2</sub> CO <sub>3</sub>	0.5 max %
Cl-	200 max mg / kg
SO <sub>4</sub> <sup>-2</sup>	300 max mg / kg
Pb / Lead	0.1 max ppm
As / Arsenic	0.1 max ppm
Hg / Mercury	0.1 max ppm
Fe (Toplam) / Total Fe	0.1 max ppm
pH 1 % solution	8,0-8.6

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Loss on drying	Not more than 0,25 % (over silica gel, 4 hours)
Ammonium salts	No odour of ammonia detectable after heating

#### Microbiological parameters

Salmonella kob / 25 g	Absent
Entro-bacteria kob / g	max 5x10 <sup>2</sup>
Mould-yeast	max 1000
Dioxins	max 0.1 ng / kg
Sum of dioxins and dioxin-like PCBs	max 0.1 ng / kg

#### TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Should be stored in a covered warehouse, preferably lower than 30°C and 50% relative humidity and well-ventilated
Shelf Life	36 months, in closed packaging and the recommended conditions.

#### LEGISLATION

Certification	-
Food grade	The product is suitable to be used in food
Allergen declaration	According to Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products ammended with Regulation (EU) 2023/1545, this material does not contain any substances listed as cosmetic allergens.
Volatile Organic Compounds (VOC)	Based on our current knowledge of our production process, raw materials and equipment used, we do not expect any of the listed solvents referenced in Annex 1 (Art. 2, a) of the Swiss Ordinance on the Incentive Tax on Volatile Organic Compounds
Microplastic	Based on information concerning the raw materials, production process and equipment used, polymers are not expected to be present neither are intentionally added in the product.

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GMO status	GMO free according to EC Reg. 1829/2003 and 1830/2003.
Nanomaterial statement	The product and/or its components are not considered to be a nanomaterial under this definition. Nanomaterials are defined in the Cosmetics Regulation (EC) No. 1223/2009 as follows: Nanomaterial means an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm
Information for Vegan Assessment	Vegan suitable. Manufacture does not involve, or have involved, the use of any animal product, by-product or ingredient.
Animal testing	For cosmetic purposes according to EC 1223/2009 no animal tests have been performed.
EINECS	205-633-8
CAS	144-55-8

#### DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.