



**PRODUCT INFO  
& DATASHEET**

# SODIUM BICARBONATE

- Made in E.U -

updated 12/2023

**Chemical formula** :  $\text{NaHCO}_3$

**Chemical name** : Sodium Hydrogen Carbonate

**Synonyms** : Sodium bicarbonate, baking soda

**EC: 205-633-8 / CAS: 144-55-8 / REACH: 01-2119457606-32-0010**

Quality parameters	Expressed as	Unit	Guaranteed values	Reference
General requirements	Solid white crystalline hygroscopic powder			-
Substance identification	Soluble in water, insoluble in ethanol			-
Sodium Hydrogen Carbonate	$\text{NaHCO}_3$	%	$\geq 99^*$	c)
Sodium Content	Na	%	$\geq 27$	b)
Lead	Pb	mg/kg	$\leq 10$	a)
Arsenic	As	mg/kg	$\leq 2$	a)
Mercury	Hg	mg/kg	$\leq 0.1$	a)
Cadmium	Cd	mg/kg	$\leq 2$	a)
Fluorine	F	mg/kg	$\leq 150$	a)
Loss on drying	$\text{H}_2\text{O}$	%	$\leq 0.25$	c)
Ash insoluble in HCl	-	%	$\leq 10$	b)
Dioxin & a dioxin derivative limit compatible with Directive of the European Parliament and the Council 2002/32/WE with later changes				
<b>Sieve analysis</b>				
Sieve mesh size	Typical (X)	Coarse (Y)	Fine (Z)	Compacted 1,25 - 0,25
Mm	%	%	%	%
> 1.25	-	-	-	$\leq 10$
1.25 - 0.25	-	-	-	$\geq 65$
> 0.5	$\leq 1$	$\leq 10$	-	-
< 0.25	-	-	-	$\leq 25$
> 0.2	$\leq 25$	$\geq 25$	$\leq 5$	-
0.2 - 0.1	up to 100	up to 100	up to 100	-
< 0.1	$\geq 20$	$\leq 20$	$\geq 60$	-
< 0.063	-	-	$\geq 25$	-
Bulk density $\text{kg}/\text{dm}^3$	0.80 - 1.15			

\* on the anhydrous mass

a) Directive of the European Parliament and of the Council 2002/32/WE with later changes b) Commission Regulation (EU) No. 68/2013 with later changes.

c) our specifications

Our specifications defined above are valid for the products kept in suitable conditions.

For further information please check the Material Safety Data Sheet for detailed information, like handling and safety details.

## **APPLICATION**

Sodium Bicarbonate is an environmentally friendly product produced under precisely controlled process conditions. Widely used as feed material it plays an important role in animal nutrition as a feed component in particular as buffering agent for the rumen but also as natural sodium source.

## **TRANSPORT AND STORAGE**

Sodium Bicarbonate should be transported in clean, closed means of transport. The load should be evenly distributed in a manner preventing movement of packages and their mutual damage. Sodium Bicarbonate is a hygroscopic substance; product should be stored in sealed container or bag in a dry place away from moisture.

Package, bags or big bags should be stored in no more than 1 layer.

## **SHELF LIFE**

Guaranteed shelf life of Sodium Bicarbonate is 2 years from the production date, when properly stored. After the expiry date, the product must be checked again. If the parameters comply with the requirements, the product can be used further.

**CERTIFICATES** ISO 9001|ISO 14001|GMP+B2

**PACKING** Paper Bags 25 kg / Big Bags / Bulk

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