

PRODUCT SPECIFICATION – FOOD INGREDIENTS

SODIUM BICARBONATE (E500) FOOD CIECH

ConnectingChemistry



1. PRODUCT IDENTIFICATION

Supplier product name	SODIUM BICARBONATE (E500) FOOD POLAND CIECH		
Supplier product number	15985	Date of issue: 11/10/2016	Replaces: 16/05/2014
Origin	Chemical synthesis		
Manufacturer	Ciech		
Country	Poland		
Certification manufacturer:	ISO 9001		

1.1 Composition

Single ingredient	
Chemical name	Sodium bicarbonate, sodium hydrogen carbonate
Chemical formula	NaHCO ₃
Molecular weight	84,0066

1.2 Legislative information

CAS-N°	144-55-8
INTRASTAT CODE	283630
EINECS	205-633-8
Legal declaration	E500ii

2. PRODUCT INFORMATION

	Unit	Specification	Method
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2.1 Physical and Chemical properties

Appearance		Powder	
Colour		White	
Odour/taste		-	
Assay	wt%	min. 99,0	
Loss on drying	wt%	max. 0,25	
pH value of 1% solution		8,0 – 8,6	
Sieve analysis:			
> 0,5 mm	%	max. 1,0	
> 0,2 mm	%	max. 25	



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0,2 – 0,1 mm	%	Complete to 100 %	
< 0,1 mm	%	min. 20,0	

2.2 Microbiological data

Total number of micro-organisms	cfu/g	max.10	
Yeasts	cfu/g	max. 10	
Moulds	cfu/g	max. 10	
Salmonella	/25 g	absent	

2.3 Contaminants

2.3.1 Chemical contaminants

Lead (Pb)	ppm	max. 2	
Arsenic (As)	ppm	max. 3	
Mercury (Hg)	ppm	max. 1	
Insoluble matter in water	%	max. 0,01	

2.3.2 Physical contaminants

Foreign body control	Metal detection	0,5 x 0,5mm	
	Sieve	1 x 1,5 mm	

2.4 Nutritional Information (Directive 90/496/EC, amended by 2003/120/EC and 2008/100/EC)

2.4.1 Nutritional Values

Energy	kJ/100g	-	
Energy	kcal/100g	-	
Protein	g/100g	0	
Carbohydrate :	g/100g	0	
Of which Sugars	g/100g	0	
Polyols	g/100g	0	
Starches	g/100g	0	
Others	g/100g	0	
Fat :	g/100g	0	
Of which Saturated	g/100g	0	
Mono-unsaturated	g/100g	0	



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Poly-unsaturated	g/100g	0	
Transfatty acids	g/100g	0	
Cholesterol	mg/100g	0	
Water	g/100g	max. 0,25	
Organic acid	g/100g	-	

2.4.2 Minerals

Sodium	mg/100g	27100 – 27500	Calculated
Calcium	mg/100g	max. 10	
Magnesium	mg/100g	max. 4	
Ferrous	mg/100g	max. 2	
Zinc	mg/100g	max. 1	
Phosphor	mg/100g	max. 0,5	
Others:	mg/100g	-	

3. FOOD INTOLERANCES

3.1 Allergens (Directives 2000/13/EC, 2003/89/CE 2007/68/EC)

	Y / N	Direct Contamination	Cross-Contamination (Risk)
Barley	N	N	N
Beef	N	N	N
Cacao	N	N	N
Carrot	N	N	N
Celery and celery products	N	N	N
Cereals containing gluten and products produced with these (wheat, rye, oats, spelt, barley)	N	N	N
Chicken	N	N	N
Coriander	N	N	N
Crustaceans and Shellfish	N	N	N
Eggs and egg products	N	N	N
Fish and fish products	N	N	N
Glutamate	N	N	N
Lupin and products thereof	N	N	N
Milk and milk products (incl. Lactose)	N	N	N

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Molluscs and products thereof	N	N	N
Mustard and mustard products	N	N	N
Nuts and nut products (almonds, hazelnuts, walnuts)	N	N	N
Peanuts and peanut products	N	N	N
Pork	N	N	N
Sesame and sesame products	N	N	N
Soybean and soybean products	N	N	N
Sulphite (E221 - E228)	N	N	N
Sulphur dioxide (> 10 mg/kg)	N	N	N

3.2 Suitability for other diets

Vegetarian	Y	
Vegans	Y	
Kosher	Y	
Halal	Y	Not certified, See declaration of manufacturer
Lactose intolerant	Y	
Coeliacs	Y	

3.3 GMO Declaration, acc. Regulations 298/2008/EC and 1830/2003/EC

SODIUM BICARBONATE (E500) FOOD POLAND CIECH does not contain genetically modified organisms and is not produced using raw materials of a genetically modified origin. At no stage during production does the product come into contact with genetically modified organisms.

SODIUM BICARBONATE (E500) FOOD POLAND CIECH is falling under the scope of the EC Regulation n° 1829/2003 on genetically modified food and feed and the EC Regulation n° 1830/2003 on the traceability and labeling of genetically modified organisms and the traceability of products derived from them and to modification of Directive 2001/18/EC.

3.4 Irradiation, acc. Directive 1999/2/EC and 1999/3/EC

This product was not subject to any kind of irradiation treatment

3.5 BSE/TSE Declaration

The used ingredients for SODIUM BICARBONATE (E500) FOOD POLAND CIECH are not of animal origin. The processing equipment and the packing material which is used to manufacture, pack or fill the products into the packing units do not come into contact with any meat or meat by-product.

3.6 Residual Solvents, complies with

For the manufacturing of the product, no solvents are used. This product is in compliance with the Guideline CPMP/ICH/283/95 and chapter <467> of the current edition of the USP-NF for residual solvents.

3.7 Regulatory information

The product complies with:

E500(ii)

EC Regulation 231/2012/EC on food additives listed in Annexes II and III (SODIUM BICARBONATE).

EC Regulation n° 1881/2006 setting maximum levels for certain contaminants in foodstuffs..

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The production plant complies with:

EC Regulation n° 852/2004 on hygienic requirements for the manufacturing of raw materials in the food industry.

4. PACKAGING

Packaging description	Bags / bigbags
Packaging net content	4, 6, 25 / 500, 1000kg
Different packagings on request	Yes
Paletisation	1000 kg

5. STORAGE CONDITIONS

Storage conditions	Must be kept in a cool, dry and well ventilated environment, in closed original packaging
Shelf life (recommended re-analysis)	24 months after production, under the above mentioned conditions

6. DISCLAIMER

The content of the Product Specification Sheet is completed to the best of our knowledge. This document does not dismiss the user of his legal obligation with respect to food safety.



COMPANY INFORMATION DISTRIBUTOR		
name	BRENNTAG N.V.	BRENNTAG Nederland B.V.
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phone number	+32 (0)56 77 69 44	+31 (0)78 65 44 944
fax number	+32 (0)56 77 57 11	+31 (0)78 65 44 919
website	www.brenntag.be	www.brenntag.nl
e-mail	info@brenntag.be	info@brenntag.nl
activities	Distribution and export of chemicals and raw materials	
VAT number	BE0405317567	NL001375945B01
recall procedure available	Yes	
emergency number (24/365)	+32 (0)56 77 69 44	+31 (0)78 6544 944
QUALITY SYSTEMS		
ISO 9001	Yes	Yes
ISO 14001	Yes	Yes
ISO 22000	Yes	Yes
FSSC 22000	Yes	Yes
GMP+ -feed	Yes	Yes
OHSAS18001	-	Yes
ESAD	Yes	Yes
other	-	AEO