

# PRODUCT SPECIFICATION – FOOD INGREDIENTS

## POTASSIUM BICARBONATE CHINA

BRENNTAG N.V.  
BRENNTAG Nederland B.V.



### 1. PRODUCT IDENTIFICATION

Product name	POTASSIUM BICARBONATE CHINA		
Product number	15052	Date of issue: 30/07/2013	Replaces: 27/05/2013
Origin	Chemical synthesis		
Manufacturer	Zhejiang Dayang Biotech Group Co., Ltd.		
Country	China		
Certification manufacturer:	ISO 9001		

#### 1.1 Composition

<b>Single ingredient</b>	
Chemical name	Potassium bicarbonate, potassium hydrogen carbonate
Chemical formula	KHCO <sub>3</sub>
Molecular weight	100,1035

#### 1.2 Legislative information

CAS-N°	298-14-6
INTRASTAT CODE	2836400000
EINECS	206-059-0
Legal declaration	E501ii

### 2. PRODUCT INFORMATION

	Unit	Specification	Method
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#### 2.1 Physical and Chemical properties

Appearance		Colourless crystals	
Colour		White	
Odour/taste		Odourless	
Assay	%	99,0 – 101,0	(anhydrous basis)
Loss on drying	%	≤ 0,25	(over Silica gel, 4 hours)
pH value		≤ 8,6	100g/L sol.
Solubility	In water	Freely soluble	
	In ethanol	Insoluble	
Screen analysis	On 0,045mm (325 Mesh)	< 5%	S11

#### 2.2 Microbiological data

Total plate count	Cfu/g	< 1	
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Coliform bacteria	Cfu/g	< 1	
Moulds	Cfu/g	< 1	
Yeasts	Cfu/g	< 1	
Salmonella	Cfu/g	Absent	
Shigellosis	Cfu/g	Absent	
Staphylococcus aureus	Cfu/g	Absent	

### 2.3 Contaminants (EC-Regulation 1881/2006)

#### 2.3.1 Chemical contaminants

As	ppm	≤ 3	
Pb	ppm	≤ 2	
Hg	ppm	≤ 1	
Water insolubles	%	≤ 0,01	
Fe <sub>2</sub> O <sub>3</sub>	%	≤ 0,001	
Sulphate (as K <sub>2</sub> SO <sub>4</sub> )	%	≤ 0,04	
Chloride (as KCl)	%	≤ 0,02	

#### 2.3.2 Physical contaminants

Foreign body control	N.A.		
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### 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	
Poly-unsaturated	g/100g	0	



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Transfatty acids	g/100g	0	
Cholesterol	mg/100g	0	
Water	g/100g	≤ 0,25	
Organic acid	g/100g	-	

### 2.4.2 Minerals

Sodium	g/100g	0,5	
Potassium	g/100g	38,7	
Zinc	mg/100g	-	
Copper	mg/100g	-	
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
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



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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

Coeliacs	Y	Lactose intolerant	Y
Halal	Y	Vegans	Y
Kosher	Y	Vegetarian	Y

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

POTASSIUM BICARBONATE CHINA 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.

POTASSIUM BICARBONATE CHINA 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 POTASSIUM BICARBONATE CHINA 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:

FCC, E501ii

EC Regulation 231/2012/EC on food additives listed in Annexes II and III

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

#### 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	Paper bags with PE-inliner
Packaging net content	25 kg
Different packagings on request	Yes
Paletisation	Wooden / 44 bags per pallet / 8 layers with 5 bags / 1100 kg / shrinkwrapped



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### 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.



<b>COMPANY INFORMATION DISTRIBUTOR</b>		
<b>name</b>	<b>BRENNTAG N.V.</b>	<b>BRENNTAG Nederland B.V.</b>
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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
<b>QUALITY SYSTEMS</b>		
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