

Product Specification

AMMONIUM BICARBONATE F FOOD GRADE

AMMONIUM HYDROGEN CARBONATE (E503ii) with MAGNESIUM CARBONATE (E504)

PRD-No.: 30204131

1. General

This product is produced by BASF SE, Ludwigshafen, Germany. BASF SE, Ludwigshafen, Germany is certified according to ISO 9001. An HACCP-Concept (EC) No. 852/2004 is implemented.

The requirements according to "FDA: Current Good Manufacturing Practice, Hazard Analysis, and Risk-Based Preventive Controls for Human Food; 21 CFR Part 117", as well as "ISO 22000, ISO/TS 22002-1 and additional FSSC 22000 requirements" are fulfilled.

Appearance:	fine, white crystals with a slight smell of ammonia		
Chemical name:	ammonium hydrogen carbonate, ammonium bicarbonate, NH_4HCO_3		
CAS no.:	1066-33-7	ammonium hydrogen carbonate	
	39409-82-0	magnesium hydroxide carbonate	
EINECS no.:	213-911-5	ammonium hydrogen carbonate	
	235-192-7	magnesium carbonate hydroxide	

2. Properties

Parameter	Unit	Specification	Test method
NH_4HCO_3	g/100 g	min. 99.3	FCC-method / calculated
NH_3	g/100 g	min. 21.1	calculated
CO_2	g/100 g	min. 55.0	calculated
Non volatiles	g/100 g	max. 0.55	FCC-method
Heavy metals (as Pb)	mg/kg	max. 3	FCC-method
Chloride	mg/kg	max. 30	FCC-method
Sulfate	mg/kg	max. 30	FCC-method
Fe	mg/kg	max. 3	ICP/OES
As	mg/kg	max. 1	ICP/OES
Cd	mg/kg	max. 1	ICP/OES
Pb	mg/kg	max. 1	ICP/OES
Hg	mg/kg	max. 0.1	ICP/OES
Anticaking agent (MgCO_3)	mg/kg	max. 5500	added
Particle size distribution (> 0.5 mm)	g/100 g	max. 1	sieve analyses

Ammonium bicarbonate F Food Grade is a mixture of ammonium hydrogen carbonate (E 503 ii) and magnesium carbonate (E 504). Each fulfil separately the purity criteria for food additives set by Directive (EU) 231/2012, the Joint (FAO/WHO) Expert Committee on Food Additives (JECFA) in the Codex Alimentarius as well as the one contained in the Food Chemical Codex. They also fulfil the effective specification limits of the European and British Pharmacopoeia. May contain process-related particles up to 500 μm , which do not affect the quality of the product.

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

Nutritional values

Product: AMMONIUM BICARBONATE F FOOD GRADE
PRD-No.: 30204131
Chemical Name: ammonium hydrogencarbonate NH₄HCO₃ with magnesium carbonate (E504)
CAS no.: 1066-337-7
EINECS no.: 213-911-5

FOOD ENERGY		per 100g
Calorific value (with carbohydrates in total)	kJ/g	0
Calorific value (with available carbohydrates)	kJ/g	0
Carbohydrates - Total	g	0
Total fat added	g	0
Saturated fat added	g	0
Trans fat added	g	0
Cholesterol added	g	0
Sugar - Total	mg	0
Sugar - Added	mg	0
Vitamin D	mg	0
Protein	kJ/g	0
Minerals ash	g	Depending on Mg-carbonate content
Potassium	mg	max. 0.1
Calcium	mg	max. 1
Iron	mg	max. 0.3
Salt (as chloride)	mg	max. 3
Alcohol	g	0
Organic acids	g	0
Moisture	%	0.05
Dietary fibers added	g	0

The data indicated above are the results of our investigations and correspond to the state-of-the-art. The data refer to the state of the laws at the date of issue. This confirmation expires after 24 months or in case of regulatory changes. Please ask for a new confirmation if needed. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed. The certificate is exclusively for our customers and respective competent authorities. It is not intended for publication either in printed or electronic form (e.g. via Internet) by others. Thus, neither partial nor full publication is allowed without written permission.

Please visit our Website www.monomers.basf.com

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Les renseignements ci-contre se fondent sur nos connaissances relatives au produit concerné, à la date de la présente fiche. Ils sont donnés de bonne foi mais ne sauraient dispenser l'utilisateur de vérifier que le produit est adapté à l'usage qu'il compte en faire.

Celui-ci reste seul responsable de l'utilisation qu'il fait du produit et du respect des règles qui s'imposent.

Ces renseignements sont donnés à titre indicatif et sans demande particulière de votre part, nous n'assurons pas la mise à jour de leur évolution.



We create chemistry

BASF SE, 67056 Ludwigshafen, Germany

to whom it may concern

January 2, 2017

Isocyanate & Precursors Europe
Quality Management
monomers@basf.com

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BSE-/ TSE Declaration

We hereby certify that the following products are produced by chemical synthesis without any substances of animal origin. During all production, packaging and storage operations, the products never come into contact with substances of animal origin:

- SODIUM SULFITE FOOD GRADE (E221)
- SODIUM METABISULFITE FOOD GRADE (E223)
- SODIUM BISULFITE SOLUTION FOOD GRADE (E222)
- POTASSIUM METABISULFITE FOOD GRADE (E224)
- SODIUM NITRATE FOOD GRADE (E251)
- SODIUM NITRITE FOOD GRADE (E250 + Free Flowing)
- AMMONIUM CARBONATE FOOD GRADE (E503i)
- AMMONIUM BICARBONATES – AMMONIUM HYDROGEN CARBONATES (E503ii)
- AMMONIUMCHLORIDES AF, RWS and S

Above products are free from any substances related to TSE (Transmissible Spongiform Encephalopathy).

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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Registered Office:
67056 Ludwigshafen

Registration Court:
Amtsgericht Ludwigshafen
Registration No.: HRB 6000

Chairman of the Supervisory Board:
Juergen Hambrecht

Board of Executive Directors:
Kurt Bock, Chairman;
Martin Brudermueller, Vice Chairman;
Hans-Ulrich Engel, Sanjeev Gandhi, Michael Heinz,
Harald Schwager, Wayne T. Smith, Margret Suckale

CERTIFICATE

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Office (Germany): HALAL CONTROL, D-65428 Ruesselsheim, Stahlstr. 44, Tel.: +49 6142 301987-0, Fax.: -29, http://www.halalcontrol.eu, e-mail: info@halalcontrol.eu

HALAL CONTROL حلال كـنـتـرول
شركة لترخيص الحلال (Germany) Halal Certification Body
تـشـهـد بـأن الـمـنـتـجـات أـدـنـاهـهـرـبـهـرـبـهـر
hereby certifies that the products:

Pos	PID	Product	Pos	PID	Product
001	10003308	SODIUM SULFITE FOOD GRADE (E 221)	006	10563067	SODIUM NITRATE FOOD GRADE (E 251)
002	10001276	SODIUM METABISULFITE FOOD GRADE (E 223)	007	10001974	AMMONIUM CARBONATE (E 503i) / AMMONIUMCARBONAT S
003	10201279	POTASSIUM METABISULFITE FOOD GRADE (E 224)	008	10001986	AMMONIUM BICARBONATES/AMMONIUM HYDROGEN CARBONATES (E 503ii)
004	10563069	SODIUM NITRITE FOOD GRADE E250	009	10084275	AMMONIUM CHLORIDE RWS FOOD GRADE
005	10604024	SODIUM NITRITE FOOD GRADE 0.3% (0,6%) SiO2	010	10079746	AMMONIUM CHLORIDE S FOOD/PHARMA GRADE
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المصنعة في
BASF SE, Monomers
at the production site Carl-Bosch-StraÙe 38, 67056 Ludwigshafen (Germany) في
تحقق معايير الحلال. are Halal.

A HALAL CONTROL conformity assessment, documented in an audit report, has verified that the above listed products are complying with the Halal requirements in accordance with the Islamic Law. Technical notice: The verification and certification have been undertaken according to HALAL CONTROL certification scheme HC-SE-01. The products and the production system are under supervision of HALAL CONTROL.

إن نظام مراقبة الحلال والموثق في تقرير المعاينة قد أثبت أن المنتجات المذكورة أعلاه تحقق معايير الحلال الشرعية. ملاحظة تقنية: إن عملية الفحص والتدقيق تمت طبقاً للنظام رقم 1 للترخيص، المعتمد لدى حلال كـنـتـرول. وتقوم شركة حلال كـنـتـرول بمراقبة عملية التصنيع والمنتجات.

Category code: **K**
Certificate Registration No.: **C-08-34-10-685**
Valid from: **2023-01-04**
Valid until: **2024-02-01**

رمز الصنف
رقم سجل الشهادة
تبدأ صلاحية الشهادة
وتنتهي صلاحيتها



Mahmoud Tatari
General Manager

م. محمود ططري
المدير العام

This Halal certificate has been authorized by the HALAL CONTROL Certification Decision Committee (HC CDC).

HALAL CONTROL is recognized and appointed by:

JAKIM Malaysia, BPJPH Indonesia, MUIS Singapore, CICOT & HIT Thailand, GCC countries and other reputable Halal authorities.

★★★ Certificate Validity Status: info@halalcontrol.de ★★★

NOTE: THIS CERTIFICATE HAS BEEN GENERATED ELECTRONICALLY. WE MAY ISSUE AN ORIGINAL PAPER CERTIFICATE UPON REQUEST.

Les renseignements ci-contre se fondent sur nos connaissances relatives au produit concerné, à la date de la présente fiche. Ils sont donnés de bonne foi mais ne sauraient dispenser l'utilisateur de vérifier que le produit est adapté à l'usage qu'il compte en faire. Celui-ci reste seul responsable de l'utilisation qu'il fait du produit et du respect des règles qui s'imposent. Ces renseignements sont donnés à titre indicatif et sans demande particulière de votre part, nous n'assurons pas la mise à jour de leur évolution.



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Beth Din

KOSHER CERTIFICATE

This is to certify that the following products:

Ammonium Bicarbonate food grade O, F, H, N, SH, Change Over
Ammonium Chloride RWS food grade
Ammonium Carbonate food grade (E503i)
Ammonium Carbonate S food grade
Ammonium Chloride S food/pharma grade
Carbon Dioxide food grade – Liquid CO2
Potassium Metabisulphite food grade (E224)
Sodium Metabisulphite food grade (E223)
Sodium Nitrates food grade (E251)
Sodium Nitrites food grade (E250 with 0.3% SiO₂)
Sodium Nitrites food grade (E250 with 0.6% SiO₂)
Sodium Nitrites food grade (E250)
Sodium Sulphite food grade (E221)

Produced by BASF SE (Monomeres Division), Ludwigshafen, Germany

are **KOSHER PARVE**
 (including Passover)

THIS CERTIFICATE IS VALID UNTIL 1ST FEBRUARY 2024

Rabbi Yisroel Moshe Guttentag
 Director of Certification – KF Kosher



Date: 22/01/2023

PROJ-00004328

MELAMIN - Free declaration

Product: AMMONIUM BICARBONATE F FOOD GRADE
PRD-No.: 30204131
Chemical Name: ammonium hydrogencarbonate NH_4HCO_3 with magnesium carbonate (E 504)
CAS no.: 1066-33-7
EINECS no.: 213-911-5

This is to confirm that above-mentioned product does not contain melamine and are not produced using raw materials which contain melamine.

At no stage during production do the following products come into contact with products containing melamine.

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Dok-ID: 30204131_ABC-F

August 10, 2021

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Ethylene Oxide Statement

Product: AMMONIUM BICARBONATE F FOOD GRADE
PRD-No.: 30204131
Chemical Name: ammonium hydrogencarbonate NH_4HCO_3 with magnesium carbonate (E 504)
CAS no.: 1066-33-7
EINECS no.: 213-911-5

This is to confirm that the above-mentioned product is not produced with the use of, nor treated with ethylene oxide. Also, in the production plant ethylene oxide is not used. At no stage during production and filling our product comes in contact with ethylene oxide.

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Information about Lot-ID

Product: AMMONIUM BICARBONATE F FOOD GRADE
PRD-No.: 30204131
Chemical Name: ammonium hydrogencarbonate NH₄HCO₃ with magnesium carbonate (E 504)
CAS no.: 1066-33-7
EINECS no.: 213-911-5

The Lot-ID is a 10 digit random generated unique SAP Number. The format is always 12345678X9.

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Product Information

CM – Monomers Division

Vegans and Vegetarian Declaration

Document name: 30204131_ABC-F
Revision: 0 issued: February 9, 2023

Product: AMMONIUM BICARBONATE F FOOD GRADE
PRD-No.: 30204131
Chemical Name: ammonium hydrogencarbonate NH_4HCO_3 with magnesium carbonate (E 504)
CAS no.: 1066-33-7
EINECS no.: 213-911-5

We herewith confirm that the above-mentioned product, manufactured by BASF SE, 67056 Ludwigshafen, is suitable for Vegans and Vegetarians. It is produced by chemical synthesis without any substances of animal* origin. During all production, packaging and storage operations, the product never comes into contact with substances (processing aids, additives) of animal* origin. Aromas, fragrances, flavorings, and enzymes are not used.

* entire Animal Kingdom, that is all vertebrates and all multi-cellular invertebrates

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