



Armand Products Company
500 Charles Ewing Boulevard, Ewing, NJ 08628
Phone: 609 806 1602. Fax: 609 403 7280

Technical Service
Phone: 800 733 1165 Option 2

Potassium Carbonate Nutritional Information

Nutrient Data Per 100 Grams		
Ash	98	grams
Calcium	<1	milligrams
Caloric Value	0	calories
Carbohydrates	0	grams
Fat	0	grams
Saturated Fat	0	grams
Trans Fat	0	grams
Cholesterol	0	grams
Fiber	0	grams
Iron	<1	milligrams
Magnesium	<1	milligrams
Moisture	<1	grams
Potassium	56,580	milligrams
Protein	0	grams
Sodium	<380	milligrams
Vitamin D	0	micrograms
Added Sugar	0	grams

Food Grade Potassium Carbonate is manufactured under current Good Manufacturing Practices (cGMP) as defined by the FDA. Other grades are not produced under all cGMP requirements.

Nutrition Armand PC 6/27/2023

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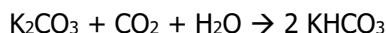
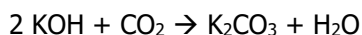
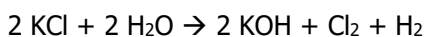
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Potassium Carbonate and Bicarbonate Residual Solvents

Potassium carbonate (K_2CO_3) and potassium bicarbonate ($KHCO_3$) are synthetic, inorganic chemicals manufactured in dedicated equipment. The original raw material, potassium chloride (KCl), is mined in Saskatchewan, Canada. KCl is electrolytically converted to potassium hydroxide (KOH) in Taft, LA (USA).

At the Muscle Shoals, AL (USA) facility, the KOH is carbonated in a fluidized bed reactor operating at over 500°F to form K_2CO_3 . This process yields a white, dense, free-flowing material of very low water content.

$KHCO_3$ is produced by further carbonating a K_2CO_3 solution. The resulting $KHCO_3$ crystals are then centrifuged, dried and packaged. The chemical reactions are:



Based on our knowledge of the manufacturing process and the handling and storage conditions, the residual solvents listed as Class 1, Class 2 or Class 3 in the USP 38 / NF 33 <467> (ICH Q3C) (R8) or any other organic solvents are not expected to be present in potassium carbonate or potassium bicarbonate.

Food Grade Potassium Carbonate and USP, ACS and Food Grade Potassium Bicarbonate are manufactured under current Good Manufacturing Practices (cGMP) as defined by the FDA. Other grades are not produced under all cGMP requirements.

REV. 11/2022

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Potassium Carbonate and Bicarbonate Genetically Modified Organisms (GMO) Status

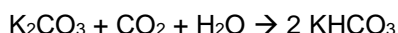
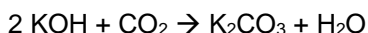
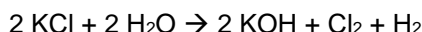
Potassium carbonate (K_2CO_3) and potassium bicarbonate ($KHCO_3$) manufactured by the Armand Products Company are neither derived from nor manufactured with genetically modified organisms (GMO). These materials have not been subject to or derived from any technique of genetic modification as defined in Article 2(2) of European Directive 2001/18/EC. These materials do not contain genetically modified organisms in accordance with EC regulations 1829/2003 and 1830/2003 and hence do not require additional labeling in relation to the presence or use of GMO. These materials are not Bioengineered substances as defined by the USDA in 7 CFR 66.1.

Manufacturing Process:

Potassium carbonate (K_2CO_3) and potassium bicarbonate ($KHCO_3$) are synthetic, inorganic chemicals manufactured in dedicated equipment. The original raw material, potassium chloride (KCl), is mined in Saskatchewan, Canada. KCl is electrolytically converted to potassium hydroxide (KOH) in Taft, LA (USA).

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GMO Armand 9/7/2023

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Potassium Carbonate and Bicarbonate Allergen Status

The allergenic materials or ingredients listed below are not directly used in the manufacture of potassium carbonate or potassium bicarbonate and are not intentionally added to the manufacturing process. Although not specified, substances that are the same type, category or otherwise related, are included.

While Armand Products does not specifically test for these allergens, based on our knowledge of the manufacturing process and the handling and storage conditions, they are not expected to be present in either product. Further, there is no potential for contamination since none of these materials are stored or processed at the manufacturing facility.

Substance Name		
Animal and fish gelatin	Eggs	Oils, nuts, and seed
Animal products	Fruit	Rice
Autolyzed yeast	Gluten and glutamate	Safflower
BHT and BHA	Lactose	Seafood
Bee pollen, honey, royal jelly	Legumes	Sesame
Cereals and grains	Lupines	Soy/soya products
Cocoa	MSG	Sulfites
Coriander	Mustard	Tocopherols
Dairy and milk products	Nuts	Vegetables

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Allergens Armand 6/27/2023

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Potassium Carbonate Status Under California's Proposition 65 Regulations

Potassium Carbonate as manufactured by the Armand Products Company is **not listed** on the California Governor's list(s) of Carcinogens, Reproductive Toxicants and/or Candidate Carcinogens, but may contain trace amounts of impurities that are listed.

Armand does not typically analyze potassium carbonate for all trace impurities. The following information has been compiled from limited analytical data regarding Proposition 65 listed impurities.

Listed Component	Basis	Maximum Content
Arsenic (As)	ppm by wt.	3.0 maximum
Lead (Pb)	ppm by wt.	2.0 maximum
Nickel (Ni)	ppm by wt.	1.0 maximum
Mercury (Hg)	ppm by wt.	0.05 maximum

Proposition 65 regulations should be consulted regarding warning requirements, if any, for the final product and whether any exposures to listed chemicals would be within a safe level (i.e., a No Significant Risk Level or NSRL for carcinogens and/or a Maximum Allowable Dose Level or MADL for reproductive toxins).

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ORTHODOX UNION

LETTER OF KOSHER CERTIFICATION

UNION OF ORTHODOX JEWISH CONGREGATIONS OF AMERICA איחוד קהילות האורתודוקסים באמריקה
FORTY RECTOR STREET / NEW YORK, NY 10006 / 212-613-8241 / KOSHERLETTER@OU.ORG / OUKOSHER.ORG

בס"ד

June 05, 2024

This is to certify that the following product(s) prepared by

Armand Products Company, 500 Charles Ewing Boulevard, Ewing, NJ 08628

are under the supervision of the Kashruth Division of the Orthodox Union and are kosher as indicated below.

Product Name	UKD-ID	Status	Certification Requirements
Brand: Armand			
• Potassium Bicarbonate	OUW2-1D471AB	Pareve	Symbol not required. Certified for Passover and year-round use.
• Potassium Carbonate	OUW2-F41B59F	Pareve	Symbol not required. Certified for Passover and year-round use.

Use of the OU trademark must comply with the terms set forth in a written agreement with the Orthodox Union. Any other use of the OU trademark is not authorized.

Rabbi Menachem Genack, *Rabbinic Administrator, CEO*

This certification is valid through 6/30/2025

Page 1 of 1