



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

Food Grade Potassium Carbonate Hazard Controls Summary

Armand Products Company manufactures **Food Grade Potassium Carbonate** that is suitable for use in the food industries. The facility has implemented the FDA Rule "Final Rule for Preventive Controls for Human Food, September 17, 2015" (aka 21 CFR Parts 1, 11, 16, 106, 110, 114, 117, 120, 123, 129, 179, and 211; current Good Manufacturing Practice; Hazard Analysis Risk-Based Preventive Controls for Human Food) and SQF Code. Our Food Safety and Food Defense Plans include a Hazard Analysis Risk based Preventive Control (HARP-C) evaluation and is prepared in accordance with the twelve steps identified in the Codex Alimentarius Commission Hazard Analysis and Critical Control Point (HACCP) guidelines.

The inherent safety of our product (from a biological perspective) and process (from a chemical and physical perspective) along with our robust prerequisite programs ensure our product is food safe.

Potassium Carbonate Anhydrous Control Measures:

- Biological: Process temperature (>500°F) destroys any microbes present
Will not support microbial growth - low water activity, no source of nutrition
- Chemical: Analytical and physical process parameters
- Physical: Enclosed, dedicated process with no human contact
Metal detection

Potassium Carbonate Solution Control Measures:

- Biological: Process temperature destroys any microbes present
High pH of solution destroys any pathogenic microbes
- Chemical: Analytical and physical process parameters
- Physical: Enclosed, dedicated process with no human contact
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Our products have been granted "GRAS" (Generally Recognized As Safe) Status by the FDA. Food Grade Potassium Carbonate is manufactured under current Good Manufacturing Practices (cGMP) as defined by the FDA.