



Nutri~Shield, Inc.

Product Bulletin NS-1040

Nutri-Shield Process Technology

Using a proprietary, deodorization process, the off-flavors and odors often associated with dry chemical powders can be eliminated. By applying this technology to food preservatives, a new generation of products is now available for food formulators to utilize when designing preservation systems for new food formulations.

Product Benefits

NS-1040 is a deodorized preservative system effective against mold and rope bacteria up to a pH of 6.0. After the Nutri-Shield process, this system will NOT add any color, odor, or chemical flavors typically associated with the standard chemical components

➤ **Calcium Propionate** – less soluble salt versus sodium propionate and the calcium may have incompatibility reaction with chemical leavening acids. Effective at an ideal pH of 5.0 in most applications against mold and rope and some bacteria. INEFFECTIVE against yeast. (CFR 184.1221)

Given that this product does not have activity against yeast of any kind, it is particularly useful in yeast-leavened

bakery products . Contains no allergens.

We believe this information to be accurate and reliable; however, no warranty, either expressed or implied, is made and no freedom from liability, from Patents, Trademarks or other limitation should be inferred.

Typical Applications

NS-1040 has proven effectiveness in a variety of food systems including:

- Bakery Goods
- Croissants
- Bagels and other Bread-Type Products

Typical Usage Levels

NS-1040 is typically added at a rate of 0.05% to 0.10% of the weight of the food product.

Product Features

Color: White (free from other discoloration).

Form: Granular and powder.

GRAS (Generally Recognized As Safe).

Kosher Certified.

Bioterrorism #11980927702

Packaging & Storage

A heat sealed, multi-wall plastic bag consisting of 3 layers.

Contents per bag: 50 pounds/22.7 kg net weight.

800 bags per 40 ft trailer, 40 bags per pallet.

Store in a cool, dry place, out of direct sunlight.

Keep boxes sealed tightly after opening.

Typical shelf-life: 6 months

Labeling

Recommended labeling: calcium propionate,

Nutrition labeling is not required for this system.

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