



July 14, 2020

Crest Water Pte. Ltd.
10 Anson Road #27-15
International Plaza 079903
Singapore

RE: CrestoGuard 453
Category Code: AX,BX,CX,G5,G6,G7,QX
NSF Registration No. 161779

NSF has processed the application for Registration of **CrestoGuard 453** to the *NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds* (2017), which are available upon request by contacting NonFood@nsf.org. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements including FDA 21 CFR for appropriate use, ingredient and labeling review.

"This product is acceptable for use as an ingredient in cleaning products to be used in and around food processing areas (AX) where its use is not intended for direct food contact. The acceptable use level will vary based on the ingredients in the remainder of the formulation. Most use levels generally used for the purpose in industry would be acceptable.

Formulations containing NSF Registered ingredients are not considered to be NSF Registered products. A separate application is required for each final product. Formulators using NSF Registered ingredients need only identify the trade name, the NSF Registration Number, and concentration within the finished product on the application form."

This product is acceptable as an ingredient for use in laundry products for fabrics contacting food and for fabrics not contacting food (BX). Such products may be used on fabric that contacts meats or poultry products, directly or indirectly, provided that the fabric is thoroughly rinsed with potable water at the end of the laundering operation and uniforms or other fabrics that do not come in direct contact with food products.

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"This product is acceptable for use as an ingredient in products used in inedible product processing areas, nonprocessing areas, and/or exterior areas of food processing establishments (CX) provided that it is not used to mask odors resulting from unsanitary conditions, and that any characteristic odor or fragrance does not penetrate into an edible product area. When used on equipment that will be returned to a food processing area, the product must be completely washed off and rinsed with potable water before returning to the processing area.

Formulations containing NSF Registered ingredients are not considered to be NSF Registered products. A separate application is required for each final product. Formulators using NSF Registered ingredients need only identify the trade name, the NSF Registration Number, and concentration within the finished product on the application form."

This product is acceptable for treatment of cooling and retort water (G5) in and around food processing areas.

Food processing facilities are responsible for ensuring that they do not use chemical compounds in a manner that will result in the adulteration of food products. Therefore, it is not expected that the compounds would have to be decharacterized if an establishment document, as part of its HACCP plan, indicates that decharacterization is not needed. Such examples include if data are available to show that low levels of non-volatiles (such as sulfites) will not carry over into steam with the system, or, in the case of cooling water, a functional barrier separates the water from the meat food product.

This product is acceptable for treating boilers or steam lines where steam produced may contact edible products and/or cooling systems where the treated water may not contact edible products in and around food processing areas (G6).

Food processing facilities are responsible for ensuring that they do not use chemical compounds in a manner that will result in the adulteration of food products. Therefore, it is not expected that the compounds would have to be decharacterized if an establishment document, as part of its HACCP plan, indicates that decharacterization is not needed. Such examples include if data are available to show that low levels of non-volatiles (such as sulfites) will not carry over into steam with the system, or, in the case of cooling water, a functional barrier separates the water from the meat food product.

This product is acceptable for treating boilers, steam lines, and/or cooling systems (G7) where neither the treated water nor the steam produced may contact edible products in and around food processing areas.

Food processing facilities are responsible for ensuring that they do not use chemical compounds in a manner that will result in the adulteration of food products. Therefore, it is not expected that the compounds would have to be decharacterized if an establishment document, as part of its HACCP plan, indicates that decharacterization is not needed. Such examples include if data are available to show that low levels of non-volatiles (such as sulfites) will not carry over into steam with the system, or, in the case of cooling water, a functional barrier separates the water from the meat food product.

This product is acceptable as an ingredient for use in shell egg sanitizing products (QX). Due to the nature of some ingredients, they may not be acceptable for use in some types of products. Formulations containing NSF Registered ingredients are not considered NSF Registered products. A separate application is required for each final product. Formulators using NSF Registered ingredients need only identify the trade name, the NSF Registration Number, and concentration within the finished product on the application form.

NSF Registration of this product is current when the NSF Registration Mark and Category Code appear on the NSF-approved product label, and the Registered product name is included in the current NSF White Book Listing of Nonfood Compounds at the NSF website (www.nsfwhitebook.org).

NSF Listing of all Registered Nonfood compounds by NSF International is not an endorsement of those compounds, or of any performance or efficacy claims made by the manufacturer.

Registration status may be verified at any time via the NSF website, at www.nsfwhitebook.org. Please note the letter date reflects most recent product review. NSF utilizes annual verification to ensure no changes have been made to a registered product. Changes in formulation or label, without the prior written consent of NSF, will void Registration, and will supersede the on-line listing. Please contact your NSF Account Manager or nonfood@nsf.org if you have any questions or concerns pertaining to this letter.

Sincerely,



Sarah Krol
NSF NonFood Compound Registration Program
Company No: C0557226