



September 12, 2019

Kurita-GK Chemical Co., Ltd.
460 Moo. 17, Bangphli Industrial Estate
Bangsaothong, Bangsaothong District
Samutprakarn 10570
Thailand

RE: KURITA F-4120A
Category Code: G4,G5,G7
NSF Registration No.159872

NSF has processed the application for the Registration of **KURITA F-4120A** to the *NSF 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 for appropriate use, ingredient and labeling review.

This product is acceptable for use in meat, poultry, and other food processing areas as a Chlorine Water Treatment Product (G4), when used in accordance with the respective label instructions and use limitations. It may be used in all processing of meat and poultry plants at concentrations up to 5 parts per million calculated as available chlorine. Chlorine may be present in poultry chiller water, in water for reprocessing poultry carcasses internally contaminated with feces, and in red meat carcasses final wash water at concentrations between 20 and 50 parts per million calculated as available chlorine. The product must be dispensed at a consistent and uniform level and the method or system must be such that a controlled rate is maintained. The additive may not exceed 3 parts per million residual chlorine dioxide when generated by treating an aqueous solution of sodium chlorite with either chlorine gas or a mixture of sodium hypochlorite and hydrochloric acid.

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, 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.

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.

This product is not registered for use in the United States of America.

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.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Krol', with a long horizontal flourish extending to the right.

Sarah Krol

NSF Nonfood Compound Registration Program and Listing Program

Company No: C0418733