

STATEMENT OF EFFECTIVENESS

DrySan™ Duo, when used in accordance with Ecolab's product literature and label instructions, can be used as part of an allergen management program to help remove soil containing food allergen proteins from food processing surfaces. However, a customer is responsible for any required validation and verification of their food safety plan and allergen management program.

METHOD

Using an Ecolab proprietary test method, stainless steel coupons were mechanically soiled with a mixture of allergen-containing food ingredients, including peanut butter, and allowed to dry. Either water (control), an isopropyl alcohol-based sanitizer (testing product), or DrySan™ Duo (Ecolab product) were sprayed onto the coupon and allowed to sit for 60 seconds. Coupons were then wiped with a dry, disposable towel attached to a mechanical apparatus for five passes (where traversing the coupon surface back and forth constituted one "pass"). Five passes typically led to a visually clean result for the water control. Following wiping, allergenic protein concentrations were assessed by swabbing a one square inch area and using an enzyme-linked immunosorbent assay (ELISA) test kit for the peanut allergen.

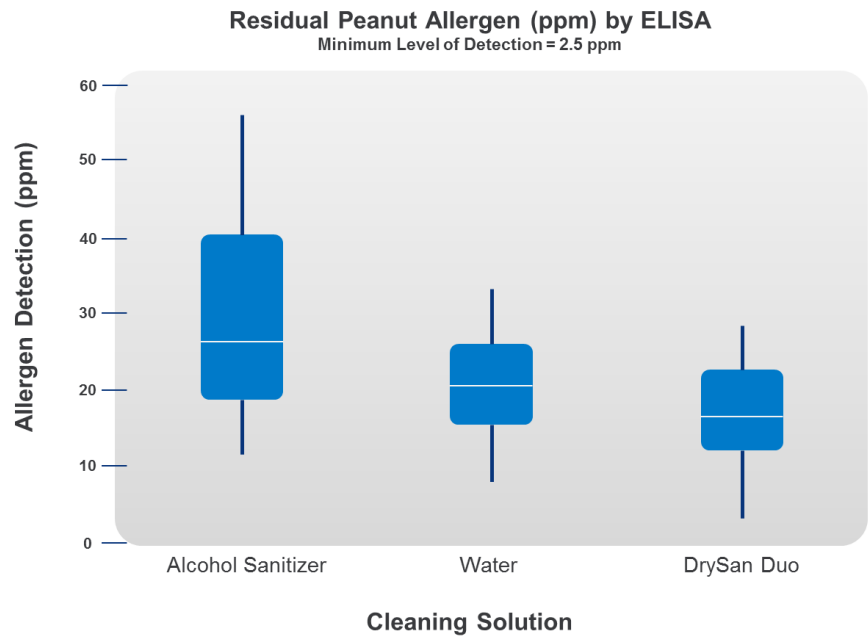
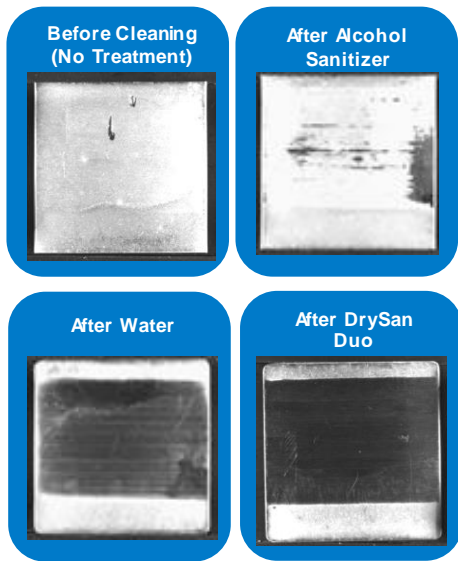
DrySan Duo is a U.S. EPA-registered*, ready-to-use, two-step cleaner and sanitizer. For testing purposes, a different alcohol-based sanitizer not currently approved for cleaning applications was utilized to understand how uncleaned surfaces respond to allergen testing.



*EPA Reg. No. 1677-247

RESULTS

Ecolab's DrySan Duo was tested for cleaning effectiveness and reduction of soil containing a food allergen protein on a stainless steel coupon against a water control and an alcohol-based sanitizer. These results show DrySan Duo helps reduce soil containing a food allergen from accessible, hard, non-porous surfaces such as stainless steel within this laboratory evaluation. When compared to a water control under identical laboratory conditions, DrySan Duo helps remove food soil that contains a food allergen.



Please contact your Ecolab representative for inquiries and to learn how DrySan Duo can be used as part of an allergen management program.