CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2020
DateRun:	06/10/2020
Experimenters:	Alicia McCarthy, Hayley Byra
ClientType:	Cleaner Manufacturer
ProjectNumber:	Project #1
Substrates:	Ceramics
PartType:	Coupon
Contaminants:	Food
Cleaning Methods:	Manual Wipe
Analytical Methods:	Gravimetric
Purpose:	To evaluate the stability and effectiveness of L'AVANT Collective Dish Soap against Dawn Dish Soap on the removal of Soil B from ceramic plates.
Experimental Procedure:	Clean ceramic plates were soiled with six grams of 4009 Soil B (50% All Purpose Flour, 48% Crisco Shortening, and 2% Olive Oil) and air dried for 24 hours at room temperature (68˚F). Four millimeters of each dish soap were measured out and each were mixed with four liters of tap water heated to 120°F, which was recorded when poured sequentially into the washing basin. Twenty seconds after the reservoir was prepared, the manual cleaning method began. Each plate was washed at an angle, half submerged in the water, cleaning both the front and back sides of each plate with a sponge in a circular motion for 30 seconds. This process continued until half the surface of the wash solution showed a thin layer of foam. The number of plates cleaned as well as the final temperature of the water in the basin were recorded. This process was performed with each dish soap.

Results:

Cleaner	Initial Temperature (ºF)	Final Temperature (ºF)	# of Plates Washed
Dawn Dish Soap	117	103	9
L'AVANT Collective Dish Soap	117	103	6

Summary:

Conclusion: L'AVANT Collective Dish Soap was not as effective as the comparative cleaner, Dawn Dish Soap, in removing soil B from ceramic plates. L'AVANT Collective Dish Soap. An end point of near-disappearance of foam was seen after washing 6 dishes using L'AVANT Collective Dish Soap.