CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 08/01/2021

Experimenters: Ross Goding, Edward Judge

ClientType: Lab

ProjectNumber: Project #4

Substrates: Ceramics, Plastic, Chrome

PartType: Coupon

Contaminants: Soaps

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric, Visual

Purpose: To test the effectiveness of Ajax Powder Cleanser in the removal of Bathroom Soil from various substrates.

Experimental Procedure: Ajax Powder Cleanser and a spray bottle of water were gathered to begin testing. Then, 3 coupons of each substrate (ceramic, plastic, chrome) were collected and initial weights were taken. Bathroom Soil was applied to each coupon and allowed to air dry for 24 hours. After the 24 hour dry time, the weights of the newly contaminated coupons were measured. All coupons were placed into a Gardner-scrub Abrasion Tester machine. Wypall cleaning cloths were attached to each of the 3 cleaning blocks used for the test. Each Wypall cloth and all coupons received 2 sprays of water and Ajax Powder Cleanser was sprinkled across each coupon. The Gardner-scrub Abrasion Tester was run for 20 repetitions, simulating 20 manual wipes. Once cleaning concluded, the cleaned coupons were allowed to air dry for 24 hours. After 24 hours, the weights of the cleaned coupons were measured.

Results:

Cleaner	Substrate	Initial wt of cont.	Final wt of cont.	%Cont Removed	% AVG	% Overall
Ajax Powder Cleanser	Ceramic	0.0534	0.0123	76.97	79.81	81.20
		0.0661	0.0144	78.21		
		0.0608	0.0131	78.45		
	Plastic	0.0687	0.0099	85.59	87.85	
		0.0980	0.0102	89.59		
		0.0954	0.0111	88.36		
	Chrome	0.2655	0.1053	60.34	75.95	
		0.1172	0.0187	84.04		
		0.1209	0.0200	83.46		

Summary:

Substrates:	Ceramics, Plastic, Chrome				
Contaminants:	Soaps				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Colgate-Palmolive Company	Ajax with Bleach (Powder)	100%	81.20	☑	Ajax Powder with Bleach was effective in the removal of Bathroom Soil from various substrates.

Conclusion: Ajax Powder Cleanser showed success in the removal of Bathroom Soil from ceramic, plastic, and chrome substrates.