CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 09/07/2021

Experimenters: Edward Judge

ClientType: Lab

ProjectNumber: Project #5

Substrates: Ceramics, Plastic, Chrome

PartType: Coupon

Contaminants: Soaps

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric, Visual

Purpose: To test the effectiveness of Honest Disinfecting Antibacterial Spray in the removal of Bathroom Soil from various substrates.

Experimental Procedure: An Honest Disinfecting Antibacterial Spray solution was 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 the Honest Disinfecting Antibacterial solution and 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
Disinfecting Antibacterial Spray	Ceramic	0.2054	0.0014	99.32	90.72	85.86
		0.2397	0.0281	88.28		
		0.2189	0.0292	86.66		
	Plastic	0.1928	0.0219	88.64	90.36	
		0.2444	0.0253	89.65		
		0.2524	0.0182	92.79		
	Chrome	0.2483	0.0103	95.85	76.49	
		0.2682	0.0448	83.30		
		0.3994	0.1984	50.33		

Summary:

Conclusion: Honest Disinfecting Antibacterial Spray was effective in the removal of Bathroom Soil from ceramic, plastic, and chrome substrates.