CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 08/15/2021

Experimenters: Ross Goding, Edward Judge, Anjali Bhagat

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 Fantastik All Purpose Cleaner in the removal of Bathroom Soil from various substrates.

Experimental Procedure: A Fantastik All Purpose Cleaner 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 Fantastik All Purpose Cleaner 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
Fantastik All-Purpose	Ceramic	0.0596	0.0028	95.30	81.38	88.39
		0.0933	0.0307	67.10		
		0.0717	0.0222	69.04		
	Plastic	0.0660	0.0039	94.09	91.72	
		0.1368	0.0101	92.62		
		0.1092	0.0126	88.46		
	Chrome	0.1235	0.0012	99.03	92.06	
		0.1387	0.0083	94.02		
		0.1543	0.0260	83.15		

Summary:

Substrates:	Ceramics, Plastic, Chrome				
Contaminants:	Soaps				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
SC Johnson & Son Inc	Fantastik	100%	88.39	☑	Fantastik was effective in the removal of Bathroom Soil from various substrates.

Conclusion: Fantastik All Purpose Cleaner was successful in the removal of Bathroom Soil from ceramic, plastic, and chrome substrates.