CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 08/22/2021

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 evaluate the effectiveness of Soft Scrub with Oxi in the removal of Bathroom Soil from various substrates.

Experimental Procedure: A Soft Scrub with Oxi solution was created by mixing 1 part Soft Scrub with 9 parts water. 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 Soft Scrub with Oxi 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
Soft Scrub with Oxi	Ceramic	0.1710	0.0164	90.41	84.43	86.87
		0.1398	0.0406	70.96		
		0.2528	0.0568	77.53		
	Plastic	0.7712	0.0092	98.81	98.07	
		0.3817	0.0076	98.01		
		0.4013	0.0104	97.41		
	Chrome	0.2061	0.0556	73.02	78.12	
		0.1195	0.0045	96.23		
		0.1473	0.0514	65.11		

Summary:

Substrates:	Ceramics, Plastic, Chrome
Contaminants:	Soaps

Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Henkel Corporation	Soft Scrub with Oxi	1:9	86.87	☑	Soft Scrub with Oxi was effective in the removal of Bathroom Soil from various substrates.

Conclusion: Soft Scrub with Oxi was effective in the removal of Bathroom Soil from ceramic, plastic, and chrome substrates.