CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 09/02/2021

Experimenters: Alicia McCarthy, Zoe Lawson, Nicole Kebler

ClientType:

ProjectNumber: Project #1

Substrates: Ceramics, Plastic, Chrome

PartType: Coupon

Contaminants: Soaps

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric, Visual

Purpose: To test the effectiveness of The Pink Stuff on chrome, ceramic, and plastic.

Experimental Procedure: Eighteen pre-weighed coupons, three of each substrate per cleaner, were each contaminated with one gram of bathroom soil (28.6% All-in-one shampoo and conditioner, 21.4% Dry skin lotion, 21.4% Liquid Hand Soap, 14.3% Liquid body wash, 7.2% Deodorant bar soap, 7.1% Water). The dirty weights were recorded after the coupons had dried for 24 hours at room temperature (68 F). Three coupons of the same substrate were aligned into a Single Line Washing Unit (SLW) with The Wypall X60 attached to the cleaning sled. The Wypall X60 reinforced wipe along with the coupons were all sprayed three times with the cleaner and then allowed to soak for 30 seconds. Afterwards the Single Line Washing Unit (SLW) was activated and cleaned for 20 cycles. The clean coupons were all then allowed to dry overnight at room temperature before the final weights were recorded.

Results: Both cleaners were effective for the removal of bathroom soil from all three substrates. The Pink Stuff was 98% effective for chrome, 97% effective for ceramic, and 93% effective for plastic. Lysol Power Bathroom Cleaner (spray) was 94% effective for chrome, 84% effective for ceramic, and 98% effective for plastic.

Cleaner	Substrate	Initial wt. of Cont.	Final wt. of Cont	Average	Combined Average
The Pink Stuff	Chrome	0.1136	0.0045	96.04	98.00
		0.1271	0.0009	99.29	
		0.1200	0.0016	98.67	
	Ceramic	0.1125	0.0009	99.20	97.01
		0.1302	0.0050	96.16	
		0.1222	0.0053	95.66	
	Plastic	0.1081	0.0177	83.63	92.84
		0.1271	0.0034	97.32	
		0.1231	0.0030	97.56	
Lysol Power Bathroom Cleaner (spray)	Chrome	0.1193	0.0079	93.38	93.52
		0.1278	0.0082	93.58	
		0.1266	0.0081	93.60	
	Ceramic	0.1258	0.0018	98.57	84.46
		0.1078	0.0381	64.66	
		0.1301	0.0128	90.16	
	Plastic	0.1222	0.0009	99.26	98.08
		0.1327	0.0048	96.38	
		0.1276	0.0018	98.59	

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Summary:

Substrates:	Ceramics, Plastic, Chrome				
Contaminants:	Soaps				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Star Drops	The Pink Stuff	100%	96.00	☑	
Reckitt Benckiser	Lysol Power Bathroom Cleaner (Spray)	100%	92.00	☑	

Conclusion: Both cleaners were effective for the removal of bathroom soil from all three substrates.