CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 06/02/2021

Experimenters: Nicole Kebler

ClientType:

ProjectNumber: Project #1

Substrates: Ceramics, Plastic, Chrome

PartType: Coupon

Contaminants: Films, Soaps

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric, Visual

Purpose: To evaluate the effectiveness of Sims Bathroom cleaner for the removal of bathroom soil from chrome, ceramic, and plastic substrates.

Experimental Procedure: Three coupons for each substrate were weighted for initial weights. Using the Janitorial Standard Bathroom-GS 37, the coupons were soiled on one side and were left to dry for 24 hours. After the coupons were dry, they were loaded in the Straight Line Washability Unit (SLW) three at a time by substrate. A Kimberly-Clark Wypall was attached to the cleaning sled and was sprayed twice with the cleaner. Each coupon was also sprayed three times before the SLW unit ran for 20 cycles. After the 20 cycles, the coupons were placed on a tray and were left out to dry overnight. The final weights were taken once dry.

Results: Both cleaners were successful for the removal of bathroom soil #1 from all three substrates. Sims Bathroom cleaner averaged 98% for chrome and 97% for ceramic. It also averaged 90% for plastic which was 5% over Clorox Bathroom which averaged an effectiveness of about 85%. Both chrome and ceramic averaged about 96% for Clorox Bathroom.

Cleaner	Substrate	Initial wt. of cont	Final wt. of cont	% Removal	Average
Sims Bathroom	Chrome	0.0916	0.0008	99.13	98.28
		0.0649	0.0012	98.15	
		0.0738	0.0018	97.56	
	Ceramic	0.0645	0.0024	96.28	97.14
		0.0782	0.0015	98.08	
		0.0645	0.0019	97.05	
	Plastic	0.0786	0.0020	97.46	90.29
		0.0825	0.0138	83.27	
		0.0812	0.0080	90.15	
Clorox Bathroom	Chrome	0.0755	0.0011	98.54	96.15
		0.0725	0.0010	98.62	
		0.0678	0.0059	91.30	
	Ceramic	0.0589	0.0024	95.93	96.38
		0.0814	0.0020	97.54	
		0.0785	0.0034	95.67	
	Plastic	0.0677	0.0097	85.67	85.78
		0.0866	0.0147	83.03	
		0.0925	0.0105	88.65	

Summary:

Substrates:	Ceramics, Plastic, Chrome
Contaminants:	Films, Soaps

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Clorox Company	Clorox Bathroom Cleaner	RTU	96.00	☑	Clorox Bathroom cleaner was effective for the removal of bathroom soil #1 on chrome and ceramic.
Sims Consumer Brand	Sims Bathroom	RTU	97.00	☑	Sims bathroom cleaner was effective for the removal of bathroom soil #1 on chrome, ceramic and plastic.

Conclusion:

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Both cleaners were successful for the removal of bathroom soil #1 from all three substrates. Sims Bathroom cleaner outperformed Clorox Bathroom by a few percentages on all three substrates.