CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 06/06/2021

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 test the efficiency of Clorox Bathroom spray on the removal of bathroom soil from ceramic, plastic, and chrome substrates.

Experimental Procedure: Initial weights of each substrate (ceramic, plastic, chrome) were taken and subsequently soiled with 0.5 grams of Bathroom soil. The bathroom soil was allowed to dry for 24 hours before dirty weights of the coupons were taken. Each substrate was manually wiped using the SLW machine with the Clorox Bathroom cleaner. 2 sprays were added to each wipe and coupon. The SLW unit was used for 20 cycles. Final weights were taken an hour after coupons were cleaned.

Results:

Cleaner	Substrate	Coupon	Initial wt. of contamination	Final wt. of contamination	% Removal	Average % removal	Product removal
1	A	10	0.1359	0.0549	59.60	78.66	81.34
		28	0.1747	0.0117	93.30		
		13	0.1134	0.0192	83.07		
	B	18	0.0928	0.0213	77.05	77.41	
		16	0.0985	0.0231	76.55		
		15	0.0852	0.0182	78.64		
	C	13	0.1022	0.0219	78.57	87.96	
		24	0.1527	0.0055	96.40		
		17	0.1558	0.0173	88.90		

Summary:

Substrates:	Ceramics, Plastic, Chrome				
Contaminants:	Soaps				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Clorox Company	Disinfecting Bathroom Cleaner	100%	81.34	☑	Clorox Bathroom Cleaner was effective in the removal of Bathroom Soil from various substrates.

Conclusion: Overall, this product cleaned the bathroom soil with an overall removal percentage of 81%. It removed soil from the chrome substrate the best with an 88% removal rating. The product itself passes the level in which a product needs to perform as a cleaner which is above an 80% removal rating.