

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021
 DateRun: 06/06/2021
 Experimenters: Ross Goding, Edward Judge
 ClientType: Lab
 ProjectNumber: Project #4
 Substrates: Ceramics, Plastic, Painted metal
 PartType: Coupon
 Contaminants: Hucker's Soil
 Cleaning Methods: Manual Wipe
 Analytical Methods: Gravimetric, Visual
 Purpose: To test the efficiency of Clorox Bathroom spray on the removal of Huckers soil from ceramic, plastic, and painted steel substrates.

Experimental Procedure: Initial weights of each substrate (ceramic, plastic, painted metal) were taken and subsequently soiled with 0.5 grams of Huckers Soil. The Huckers soil was allowed to dry for 2 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.

Cleaner	Substrate	Coupon	Initial wt. of contamination	Final wt. of contamination	% Removal	Average % removal	Product removal
1	A	138	0.1073	0.0098	90.87	80.69	82.83
		12	0.0971	0.0121	87.54		
		8	0.1241	0.0451	63.66		
	B	210	0.1966	0.0059	97.00	85.35	
		7	0.2842	0.0156	94.51		
		14	0.1816	0.0644	64.54		
	C	4	0.1373	0.0227	83.47	82.45	
		24	0.1247	0.0039	96.87		
		14	0.1219	0.0402	67.02		

Substrates:		Ceramics, Plastic, Painted metal				
Contaminants:		Hucker's Soil				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Clorox Company	Disinfecting Bathroom Cleaner	100%	82.83	<input checked="" type="checkbox"/>	Clorox Bathroom Cleaner was effective in the removal of Hucker's Soil from various substrates.	

Conclusion: Overall, this product cleaned the Huckers soil, bathroom soil, and glass soil with an overall removal percentage of 83%. It removed soil from the plastic substrate the best with an 85% 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.