

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021
 DateRun: 07/11/2021
 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: Lysol All Purpose Cleaner solution was tested for bathroom soap scum removal

Experimental Procedure: A Lysol All Purpose Cleaner solution was gathered to begin testing. 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 Lysol All Purpose Cleaner 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
Lysol All Purpose Cleaner	Ceramic	0.1265	0.0090	92.89	86.80	83.37
		0.1318	0.0089	93.25		
		0.1233	0.0455	63.09		
	Plastic	0.1235	0.0025	97.98	73.91	
		0.1364	0.0101	92.59		
		0.1402	0.0965	31.17		
	Chrome	0.1355	0.0105	92.25	89.39	
		0.1507	0.0278	81.55		
		0.1806	0.0102	94.35		

Summary:

Substrates:		Ceramics, Plastic, Chrome				
Contaminants:		Soaps				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Reckitt Benckiser	Lysol All-Purpose Cleaner	100%	83.37	<input checked="" type="checkbox"/>	Lysol All-Purpose Cleaner was effective in the removal of Bathroom Soil from various substrates.	

Conclusion:

Lysol All Purpose Cleaner was successful in removing Bathroom Soil from ceramic, plastic, and chrome substrates.