CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 09/07/2021

Experimenters: Edward Judge

ClientType: Lab

ProjectNumber: Project #5

Substrates: Glass/Quartz, Other, Chrome

PartType: Coupon

Contaminants: Glass

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric, Visual

Purpose: To test the effectiveness of Honest Disinfecting Antibacterial Spray in the removal of Glass Soil from various substrates.

Experimental Procedure: An Honest Disinfecting Antibacterial Spray solution was gathered to begin testing. Then, 3 coupons of each substrate (chrome, glass, mirror) were collected and initial weights were taken. Glass 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 Honest Disinfecting Antibacterial 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
Disinfecting Antibacterial Spray	Chrome	0.0460	0.0025	94.57	94.46	94.89
		0.0381	0.0024	93.70		
		0.0465	0.0041	91.18		
	Glass	0.0495	0.0008	98.38	96.10	
		0.0522	0.0017	96.74		
		0.0411	0.0028	93.19		
	Mirror	0.0378	0.0017	95.50	94.10	
		0.0360	0.0023	93.61		
		0.0381	0.0026	93.18		

Summary:

Conclusion: Honest Disinfecting Antibacterial Spray was effective in the removal of Glass Soil from chrome, glass, and mirror substrates.