CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 05/04/2021

Experimenters: Ross Goding, Edward Judge

ClientType: Lab

ProjectNumber: Project #4

Substrates: Glass/Quartz, Other, Chrome

PartType: Coupon

Contaminants: Glass

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric, Visual

Purpose: To evaluate the effectiveness of Gain Dishwashing in the removal of SSL Soil 2 Glass Soil from various substrates

Experimental Procedure: Three coupons of each substrate (Chrome, glass, mirror) were gathered and weighed to determine the initial coupon masses. SSL Soil 2 Glass Soil was administered to each coupon and allowed to air dry for 24 hours. Once the 24 hours had passed, weights of the contaminated coupons were taken. Each substrate set (3 coupons) was loaded into the SLW machine with a Wypall cloth being attached to the cleaning block. The cleaning block and each coupon received 2 sprays of the cleaning solution. The SLW machine was run for 20 repetitions to simulate 20 manual wipes. After the 20 repetitions were over, the coupons were removed from the machine and allowed to air dry for another 24 hours. Once dry, the final weights for the cleaned coupons were recorded.

Results:

Cleaner	Substrate	Initial wt of cont.	Final wt of cont.	%Cont Removed	% AVG	% Overall
Gain Dishwashing	Chrome	0.0470	0.0253	46.17	66.69	73.98
		0.1190	0.0134	88.74		
		0.0441	0.0187	57.60		
	Glass	0.1166	0.0300	74.27	76.53	
		0.0382	0.0081	78.80		
		0.1146	0.0269	76.53		
	Mirror	0.1052	0.0297	71.77	78.71	
		0.0979	0.0203	79.26		
		0.1081	0.0161	85.11		

Summary:

Substrates:	Glass/Quartz, Other, Chrome				
Contaminants:	Glass				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Korex Canada	Gain Formula (revised 15-359)	1/3	73.98	☐	Gain Dishwashing was not effect in removing Glass Soil from various substrates.

Conclusion: Gain Dishwashing was analyzed to determine its effectiveness in the removal of SSL Soil 2 Glass Soil from chrome, glass, and mirror substrates. Gain was 66.69% effective in the cleaning of chrome substrates, 76.53% effective in the cleaning of glass substrates, and 78.71% effective in the cleaning of mirror substrates. Overall, Gain Dishwashing displayed a 73.98% effectiveness in the removal of SSL Soil 2 Glass Soil from all substrates.