

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021  
 DateRun: 08/23/2021  
 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 Soft Scrub with Oxi in the removal of Glass Soil from various substrates.

Experimental Procedure: A Soft Scrub with Oxi solution was created by mixing 1 part Soft Scrub with 9 parts water. Then, 3 coupons of each substrate (chrome, glass, mirror) were collected and initial weights were taken. SSL Soil 2 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 Soft Scrub with Oxi 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
	Soft Scrub with Oxi	Chrome	0.0432	0.0008	98.15	96.29	96.70
			0.0616	0.0021	96.59		
			0.0686	0.0033	95.19		
		Glass	0.0379	0.0018	95.25	95.77	
			0.0495	0.0013	97.37		
			0.0563	0.0030	94.67		
		Mirror	0.0526	0.0004	99.24	98.05	
			0.0474	0.0014	97.05		
			0.0560	0.0012	97.86		

Summary:		<b>Substrates:</b> Glass/Quartz, Other, Chrome				
		<b>Contaminants:</b> Glass				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>	
Henkel Corporation	Soft Scrub with Oxi	1:9	96.70	<input checked="" type="checkbox"/>	Soft Scrub with Oxi was effective in the removal of Glass Soil from various substrates.	

Conclusion: Soft Scrub with Oxi was effective in the removal of Glass Soil from chrome, glass, and mirror substrates.