CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 06/02/2021

Experimenters: Nicole Kebler

ClientType:

ProjectNumber: Project #1

Substrates: Glass/Quartz, Chrome

PartType: Coupon

Contaminants: Films, Soaps

Cleaning Methods:

Analytical Methods: Gravimetric, Visual

Purpose: To evaluate the effectiveness of Sims Glass cleaner for the removal of glass soil from chrome and glass substrates.

Experimental Procedure: Three coupons for each substrate were weighted for initial weights. Using the Janitorial Standard Glass-GS 37 and Glass - DCC, the coupons were soiled with glass soil #2 on one side and were left to dry for 24 hours. After the coupons were dry, they were loaded in the Straight Line Washability Unit (SLW) three at a time by substrate. A Kimberly-Clark Wypall was attached to the cleaning sled and was sprayed twice with the cleaner. Each coupon was also sprayed three times before the SLW unit ran for 20 cycles. After the 20 cycles, the coupons were placed on a tray and were left out to dry overnight. The final weights were taken once dry.

Results: Sims Glass cleaner averaged about 96% effectiveness for both chrome and glass, performing better than Windex. Windex averaged 87% for chrome and 95% for glass. Both cleaners were effective for the removal of glass soil on both substrates. Visually the coupons were all clean with minimal streaking after completely dry.

Cleaner	Substrate	Initial wt. of cont	Final wt. of cont	% Removal	Average
Sims Glass	Chrome	0.0578	0.0024	95.85	95.73
		0.0508	0.0023	95.47	
		0.0579	0.0024	95.85	
	Glass	0.0358	0.0015	95.81	96.38
		0.0413	0.0015	96.37	
		0.0459	0.0014	96.95	
Windex	Chrome	0.0673	0.0121	82.02	87.12
		0.0795	0.0097	87.80	
		0.0509	0.0043	91.55	
	Glass	0.0451	0.0023	94.90	95.11
		0.0587	0.0023	96.08	
		0.0478	0.0027	94.35	

Summary:

Substrates:	Glass/Quartz, Chrome
Contaminants:	Films, Soaps

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
SC Johnson & Son Inc	Windex Glass Original w/ Ammonia-D	RTU	95.00	☑	Windex was effective for the removal of glass soil #2 on glass, not as effective on chrome.
Sims Consumer Brand	Sims Glass	RTU	96.00	☑	Sims Glass cleaner was effective for the removal of glass soil #2 from glass and chrome substrates.

Conclusion: Both cleaners were successful at removing glass soil from chrome and glass substrates. Sims Glass cleaner had a higher percentage removal compared to Windex for both substrates.