CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2021
DateRun:	07/20/2021
Experimenters:	Nicole Kebler
ClientType:	Cleaner Manufacturer
ProjectNumber:	Project #2
Substrates:	Glass/Quartz, Chrome
PartType:	Coupon
Contaminants:	Films, Soaps
Cleaning Methods:	Manual Wipe
Analytical Methods:	Gravimetric, Visual
Purpose:	To evaluate the effectiveness of Amazon Aware Glass Cleaner on glass and chrome substrates using glass soil.
Experimental Procedure:	One provided tablet was placed in the provided spray bottle and was fully dissolved in 32 oz. of warm tap water. After one tablet test was complete, a second tablet was added to the bottle and fully dissolved. 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 air-dried at room temperature (68F) for 24 hours. After drying, three coupons of the same substrate were loaded into the Straight Line Washability Unit (SLW) and a Kimberly-Clark Wypall was attached to the cleaning sled. The Wypall and coupons were each sprayed two times with the specified cleaner before being cleaned for 20 cycles (30 seconds). Coupons were placed on a tray after cleaning and air-dried overnight before final weights were taken. Cleaners: A) Amazon Aware Glass Cleaner (1 Tablet) B) Windex C) Amazon Aware Glass Cleaner (2 Tablets) Substrates: 1. Glass 2. Chrome

Results:

Cleaner	Substrate	Initial wt. of Cont	Final wt. of cont	Cont. Removed	Average
A	1	0.0336	0.0020	94.05	92.47
		0.0291	0.0021	92.78	
		0.0382	0.0036	90.58	
	2	0.0231	0.0049	78.79	76.49
		0.0302	0.0051	83.11	
		0.0219	0.0071	67.58	
B	1	0.0294	0.0024	91.84	90.08
		0.0286	0.0033	88.46	
		0.0278	0.0028	89.93	
	2	0.0287	0.0068	76.31	77.29
		0.0327	0.0049	85.02	
		0.0370	0.0109	70.54	
C	1	0.0194	0.0013	93.30	91.81
		0.0343	0.0035	89.80	
		0.03	0.0023	92.33	
	2	0.0304	0.0012	96.05	95.92
		0.0306	0.0011	96.41	
		0.0383	0.0018	95.30	

Both Amazon Aware Glass Cleaners left minor filming on the chrome coupons after cleaning and drying overnight.

Summary:

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

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Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
SC Johnson & Son Inc	Windex Glass Original w/ Ammonia-D		0.00	☐	

Conclusion: Both versions of the Amazon Aware Glass Cleaner (one tablet and two tablets) were as effective as Windex on glass substrates, but not as effective as Windex on chrome substrates.