CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2018

DateRun: 01/30/2018

Experimenters: James Keats

ClientType: Cleaner Manufacturer

ProjectNumber: Project #14

Substrates: Glass/Quartz

PartType: Coupon

Contaminants: None

Cleaning Methods: Low Pressure Spray

Analytical Methods: Gravimetric, Visual

Purpose: To measure amount of cleaner delivered per spray.

Experimental Procedure: Three clean beakers were pre-weighed. The selected cleaner was then held directly above the opening of the beaker and sprayed into each beaker for 2 seconds. The beakers were then reweighed and delivery amounts were calculated. A second test was conducted while holding the aerosol can upright and tipping the beaker to collect the cleaning product

Results: Table 1. Beaker and cleaner weights for vertical spray.

Cleaner Name	Initial Weight (g)	Final Weight (g)	Cleaner Weight (g)	Average Cleaner Weight (g)
Foaming Glass Cleaner Clorox	100.8900	102.2000	1.31	1.57
	113.0600	114.9100	1.85	
	99.5618	101.1229	1.56	
Foaming Glass Cleaner Windex	106.0834	107.5300	1.44	1.61
	106.5807	108.1500	1.56	
	102.2352	104.0700	1.83	

Table 2. Beaker and cleaner weights for horizontal spray

Cleaner	Beaker	Initial Wt (g)	Final Wt (g)	Cleaner Wt (g)	Avg Cleaner Wt. (g)
Foaming Glass Cleaner Clorox	1	101.5675	102.4545	0.8870	0.6392
	2	101.2540	101.6789	0.4249	
	3	107.6430	108.2487	0.6057	
Foaming Glass Cleaner Windex	1	105.5278	106.2059	0.6781	0.6327
	2	104.7243	105.4784	0.7541	
	3	96.7777	97.2435	0.4658	

Summary:

Substrates:	Glass/Quartz				
Contaminants:	None				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Brand Buzz	Clorox Foaming Glass Cleaner	100%	1.57	☑	
SC Johnson & Son Inc	Windex Foaming Glass Cleaner	100%	1.61	☑	

Conclusion: Both systems delivered cleaner at very similar rates, although Foaming Glass Cleaner Windex delivering slightly more product than the Clorox product did.