CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2007
DateRun:	01/29/2007
Experimenters:	Jason Marshall
ClientType:	Cleaner Manufacturer
ProjectNumber:	Project #1
Substrates:	Ceramics, Fiberglass, Chrome
PartType:	Coupon
Contaminants:	Films, Soaps
Cleaning Methods:	Manual Wipe
Analytical Methods:	Gravimetric
Purpose:	To evaluate two products for bathroom cleaning
Experimental Procedure:	The supplied cleaning product were used at the recommended concentration (2%, 2% and 1.5%). Nine preweighed chrome, ceramic and fiberglass, coupons were coated with SSL Soil 1 (Bathroom soap scum: All-in-one shampoo and conditioner 28.6%, Dry skin lotion 21.4%, Liquid hand soap 21.4%, Liquid body wash 14.3%, Deodorant bar soap 7.2% and water 7.1%.) using a handheld swab and allowed to dry for 24 hours at room temperature. The contaminated coupons were weighed again to determine the amount of soil added. Three coupons were placed into a Gardner Straight Line Washability unit. A Wypall X60 reinforced wipe was attached to the cleaning sled and soaked with 5-7 sprays of cleaning solutions. Each coupon was sprayed 7-10 times with the same cleaning solution. The solution was allowed to penetrate for 30 seconds followed by cleaning in the SLW unit for 20 cycles (~33 seconds). At the end of the cleaning, coupons were wiped once with a dry paper towel. Final weights were recorded, and efficiencies were calculated and recorded.
Results:	The table lists the amount of soil added, the amount remaining and the efficiency for each coupon cleaned.

Cleaner	Initial wt	Final wt	% Removed
120 Chrome	0.3344	0.0381	88.61
	0.3720	0.0539	85.51
	0.4720	0.1368	71.02
108 Chrome	0.4998	0.0902	81.95
	0.2962	0.0989	66.61
	0.6143	0.1612	73.76
120 Ceramic	0.3658	0.0578	84.20
	0.5414	0.0290	94.64
	0.3241	0.1041	67.88
108 Ceramic	0.0655	0.0149	77.25
	0.3481	0.1077	69.06
	0.5779	0.1499	74.06
120 Fiberglass	0.3721	0.0218	94.14
	0.3262	0.0108	96.69
	0.5024	0.0838	83.32
108 Fiberglass	0.2380	0.0038	98.40
	0.3914	0.0099	97.47
	0.2337	0.0075	96.79
Blue Jay Chrome	0.3724	0.0284	92.37
	0.1401	0.0190	86.44
	0.2055	0.0259	87.40
Blue Jay Ceramic	0.2552	0.0017	99.33
	0.2306	0.0268	88.38
	0.2613	0.0147	94.37
Blue Jay Fiberglass	0.7378	0.0405	94.51
	0.2967	0.0285	90.39
	0.4634	0.0634	86.32

Summary:	Ceramics, Fiberglass, Chrome

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Substrates:					
Contaminants:	Films, Soaps				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Next-Gen Supply Group	PC 120 Peroxide Mulitsurface Cleaner	2	85.11	☑	
Next-Gen Supply Group	PC 108 Spray & Wipe Cleaner	2	81.71	☐	
Next-Gen Supply Group	Blue Jay	1.5	91.06	☑	

Conclusion: Product #120 Peroxide Multisurface cleanse and Blue Jay met the 85% efficiency level as specified in the Mass EPP protocol. The other product #108 Spray & Wipe did not meet this cut off level while tested at the specified concentration.