

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2014
 DateRun: 06/25/2014
 Experimenters: Jonathan Oljey, George Liang
 ClientType: Cleaner Manufacturer
 ProjectNumber: Project #1
 Substrates: Textile
 PartType: Coupon
 Contaminants: Inks
 Cleaning Methods: Manual Wipe
 Analytical Methods: Gloss-Color Meter

Purpose: To determine the color removal from a cloth that has been saturated with the foam cleaner.

Experimental Procedure: Four different types of cloths were saturated with the cleaning foams. These were allowed to sit for 15 minutes to soak in the foam. After 15 minutes, each set of colored fabric was covered in a paper towel and patted down to determine color leakage. These paper towels underwent a gloss meter testing to determine how close the towels were to the initial value using the formula FINAL/INITIAL *100%.

Chemistries Evaluated: Resolve, SRC;

Results: Only 2 of the cloth types, the red stripped and the solid brown, had any visual color absorption from the cloth. Our visual analysis could not effectively differentiate between the two types of staining, resulting in the need for a gloss-based analysis. The other two cloths did not undergo a gloss analysis.

	Initial				Cleaned				% Original			
Resolve	L	a	b	G	L	a	b	G	L	A	b	G
Striped	88.93	-0.97	4.27	1.8	87.1	3.47	6.93	1.6	97.94%	-357.73%	162.30%	88.89%
Brown	88.93	-0.97	4.27	1.8	80.66	3.64	10.96	1.5	90.70%	-375.26%	254.33%	83.33%
SRC												
Striped	88.93	-0.9	4.27	1.8	87.68	3.23	6.21	1.6	98.59%	-332.99%	145.43%	88.89%
Brown	88.93	-0.97	4.27	1.8	81.95	2.7	9	1.5	92.15%	-278.35%	210.77%	83.33%

Summary:

Substrates:		Textile					
Contaminants:		Inks					
Company Name:	Product Name:				Conc.:	Efficiency:	Effective:
Brand Buzz	SR# 14-100C				100		<input checked="" type="checkbox"/>
Reckitt Benckiser	Resolve High Traffic Foam Carpet Cleaner				100		<input type="checkbox"/>

Conclusion: Both products exhibited a similar level of carpet color removal. Brandbuzz demonstrated a better level of color compatibility when compared to the Resolve cleaner.