

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003  
DateRun: 10/06/2003  
Experimenters: Dave Hout  
ClientType: Lab  
ProjectNumber: Project #1  
Substrates: Stainless Steel  
PartType: Coupon  
Contaminants: Adhesive  
Cleaning Methods: Immersion/Soak  
Analytical Methods: Gravimetric

Purpose: Laboratory evaluations of alternative cleaning products

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning. Five products were used at full strength at room temperature and three were heated to 130 F on a hot plate. Twenty-four preweighed coupons were coated with Re: Source Technologies Grid Set Green Blue 2000 (7732-18-4; 25212-88-8; 1310-58-3; 68649-38-7) and allowed to dry overnight and reweighed. Three coupons were cleaned in each solution for 5 minutes using stir-bar-agitation, rinsed in a tap water bath for 15 seconds at 120 F and dried using air blow off for 30 seconds at 68 F. Coupons were allowed to dry for a half an hour and then reweighed a final time. Efficiencies were calculated.

Results:

Summary:

<b>Substrates:</b>	Stainless Steel					
<b>Contaminants:</b>	Adhesive					
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>	
National Diagnostic	Histo Clear	100	-13.50	<input type="checkbox"/>		
Transene Company, Inc.	D Greeze 1000	100	25.36	<input type="checkbox"/>		
Finger Lakes Chemical	Safer Stuff	100	30.49	<input type="checkbox"/>		
Universal RenigIngsmitel - Mulder Hardenberg	RST 5	100	30.80	<input type="checkbox"/>		
Magnaflux	Daraclean 235	5	25.55	<input type="checkbox"/>		
Sky Products Company Inc	Cleaner #10	5	32.30	<input type="checkbox"/>		
US Polychem Corporation	Polychem A 2000 P	5	28.69	<input type="checkbox"/>		
Universal Photonics	Uni Clear	100	-61.27	<input type="checkbox"/>		

Conclusion: No products were effective at removing the adhesive.