

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002  
 DateRun: 01/27/2002  
 Experimenters: Heidi Wilcox  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Stainless Steel  
 PartType: Coupon  
 Contaminants: Adhesive  
 Cleaning Methods: Ultrasonics  
 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.  
 Degasing: Degasing the solution by keeping solutions in ultrasonic crest for 5 min at 120 F.  
 Cleaning: Ultrasonic for 2 min. at 120 F.  
 Rinsing: 1/2 min. manual with water at 120 F.  
 Drying: 1 min with heat gun @ 500F  
 Contaminant: Aroset PS 8078  
 Results: Significant increase in weight of each of the three coupons, due to absorption or deposition possibly

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>
AW Chesterton	278 Super Solv	100	-1673.26	<input type="checkbox"/>	
Calgon Corporation	Geo Guard 5210	100	-18.74	<input type="checkbox"/>	
Fine Organic Corporation	FO 2085 M	50	0.97	<input type="checkbox"/>	
Calgon Corporation	Geo Guard 4017	5	-0.45	<input type="checkbox"/>	
Oakite Products	Fisan Versaclean	5	-0.64	<input type="checkbox"/>	
Today & Beyond	Beyond 2002	5	-7.13	<input type="checkbox"/>	
Today & Beyond	Beyond 2006	5	0.33	<input type="checkbox"/>	

Conclusion:

No cleaner was found effective and 5 of the 7 sets of coupons showed an increase in weight after cleaning. This could be due to absorption of cleaner solution or water into or onto the adhesive or a chemical reaction between the cleaner solution and adhesive.