

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002  
 DateRun: 01/13/2002  
 Experimenters: Purav Dave  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Stainless Steel  
 PartType: Coupon  
 Contaminants: Latex binder  
 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: 5 min. cleaners were kept in ultrasonic crest at 120 F.  
 Cleaning: 2 min. in ultrasonic crest at 120 F.  
 Rinsing: 1/2 min, manual, in tap water @ 120 F  
 Drying: 1 min with heat gun @ 500 F  
 Contaminant : Latex binder mix-(00146)-linear alky

**Results:**

**Summary:**

<b>Substrates:</b>	Stainless Steel				
<b>Contaminants:</b>	Latex binder				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	5	106.74	<input type="checkbox"/>	
Calgon Corporation	Geo Guard 2000	5	115.45	<input type="checkbox"/>	
Calgon Corporation	GP Xtra	5	106.54	<input type="checkbox"/>	
PCI of America	Hurrifsafe 9450	5	107.98	<input type="checkbox"/>	
Bruhin Corporation	Nature Sol 100	5	106.22	<input type="checkbox"/>	
AW Chesterton	181 Low Alkaline Cleaner	5	121.02	<input type="checkbox"/>	

**Conclusion:** All cleaners were effective but in some cases % efficiency was obtained above 100 %. This may be due to the fact that coupons the were not clean of the contaminant from the previous runs.