

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
 DateRun: 01/14/2002
 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:

Substrates:	Stainless Steel				
Contaminants:	Latex binder				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
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	Hurrisafe 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.