

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002  
 DateRun: 01/08/2002  
 Experimenters: Purav Dave  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Stainless Steel  
 PartType: Coupon  
 Contaminants: Inks  
 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.  
 Contaminant: ITW Dykem Corp - ink-Steel blue -DX-100  
 cas # : 64175, 123864, 71363, 9004700, 67630, 8004873.  
 EXPERIMENTAL PROCEDURE:  
 Cleaning : 5 min. immersion cleaning at 120 F with stir-bar agitation.  
 Rinsing : 1/2 min. manual with water at 120 F.

Results:

Summary:

<b>Substrates:</b>		Stainless Steel			
<b>Contaminants:</b>		Inks			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	5	-18.17	<input type="checkbox"/>	
Calgon Corporation	Geo Guard 2000	5	5.81	<input type="checkbox"/>	
Calgon Corporation	GP Xtra	5	-11.56	<input type="checkbox"/>	
PCI of America	Hurrisafe 9450	5	-14.07	<input type="checkbox"/>	
Brulin Corporation	Nature Sol 100	5	-17.71	<input type="checkbox"/>	
AW Chesterton	181 Low Alkaline Cleaner	5	-27.17	<input type="checkbox"/>	

Conclusion: NONE OF THE CLEANERS WORKED. There was observed increase in weight which can be contributed to the fact that water was retained by the contaminant.