

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002  
 DateRun: 08/15/2002  
 Experimenters: Heidi Wilcox  
 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.  
 Cleaning: 5 min Immersion cleaning with stir-bar agitation @ Room Temp 68 F  
 Rinsing: 1/2 min, manual, in 68 F water (tap)  
 Drying: 1 min with heat gun @ 500F  
 Contaminant: ITW, Dykem Corp, Ink, Steel Blue - DX - 100  
 CAS#'s 64175, 123864, 71363, 9004700, 67630, 8004873

**Results:**

**Summary:**

<b>Substrates:</b>	Stainless Steel				
<b>Contaminants:</b>	Inks				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Oakite Products	Inproclean 3800	50	1.37	<input type="checkbox"/>	
Magnaflux	Daraclean 121	50	4.10	<input type="checkbox"/>	
AG Environmental Products	Soy Gold 2000	100	-49.43	<input type="checkbox"/>	
EcoLink	Safe Strip	100	101.33	<input checked="" type="checkbox"/>	
Savogran Company	SI #4 Coating Remover	100	100.08	<input checked="" type="checkbox"/>	
Bio Chem Systems	Bio T Max	100	37.52	<input type="checkbox"/>	

**Conclusion:**

Two products were effective of the \* tested, Ecolink Safestrip and Savogran SI# 4. They were 101.33 & 100.08 % effective respectively. The SI#4 is very thick and was not able to be stirred at 100% with a stir-bar and needed more than just manual rinse. It should either be a wipe or a spray rinse. There were also 3 products that added weight to the coupons, 2 significant weights: Soygold 2000 & ME 1612.