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:

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

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.