

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003
 DateRun: 01/07/2003
 Experimenters: Heidi Wilcox
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Aluminum
 PartType: Coupon
 Contaminants: Inks
 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.
 Degassing: Degassing the solution by keeping solutions in ultrasonic crest for 5 min at 120 F.
 Cleaning: Ultrasonic for 5 min. at 120 F.
 Rinsing: 1/2 min. manual with water at 120 F.
 Drying: manual wipe
 Contaminant: Sheetfed Offset Ink Supertech Dense Black (AD2340) Black Paste. No CAS#'s on MSDS

Results:

Summary:

Substrates:	Aluminum				
Contaminants:	Inks				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Metabolix Inc	Metabolix E3HB	100	99.50	<input checked="" type="checkbox"/>	
Phase III Inc	Biodegradable Paint & Adhesive Remover	100	99.50	<input checked="" type="checkbox"/>	
Vertec BioSolvents	Ink Zapper	100	99.58	<input checked="" type="checkbox"/>	
Nensco	DT 600 Press Wash	50	92.34	<input checked="" type="checkbox"/>	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	99.91	<input checked="" type="checkbox"/>	
Prisco Printers Service	PES 320	100	84.60	<input type="checkbox"/>	
PCI of America	Hurrisafe 9575	20	81.98	<input type="checkbox"/>	

Conclusion: