

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/17/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum, Brass

PartType: Coupon

Contaminants: Buffing/Polishing Compounds, Inks, Oil

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.
 Degasification: 5 min. in ultrasonic crest at 120 F.
 Cleaning: 2 min. in ultrasonic crest at 120 F.
 Rinsing: 1/2 min. manual with water at 120 F.
 Drying: 1 in. with heat gun at 500 F.
 Contaminant:
 1. Buffing compound: The Iea Manufacturing Co Learok 2B-11 (14808-60-7)
 2. Ink, Dykem Ink (64-17-5, 123-86-4, 71-36-3, 9004-70-0, 67-63-0, 8004-87-3)
 3. Oil, Winfield Brooks Alumtap (64742-53-6, 127-18-4, 111-63-7)

Results:

Summary:

Substrates:		Aluminum, Brass			
Contaminants:		Buffing/Polishing Compounds, Inks, Oil			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Alconox Inc	Alcojet	1	101.95	<input checked="" type="checkbox"/>	Buffing
Buckeye International	Shopmaster HP	5	88.80	<input checked="" type="checkbox"/>	
Buckeye International	Shopmaster LPH	5	101.35	<input type="checkbox"/>	
Alconox Inc	Alcojet	1	18.63	<input type="checkbox"/>	ink
Alconox Inc	Alcojet	1	96.76	<input checked="" type="checkbox"/>	oil

Conclusion: