

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:

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|-----------------------|----------------------|--|--------------------|-------------------------------------|----------------------|
| 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: