

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
 DateRun: 10/11/2002
 Experimenters: Heidi Wilcox
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Aluminum
 PartType: Coupon
 Contaminants: Adhesive
 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: 1 min with heat gun @ 500F
 Contaminant: Aroset PS 8078, Ashlan Chemical (Lot# 071901). Very thick adhesive
 CAS#'s 141-78-6 Ethyl Acetate, 142-82-5 Heptane, 67-63-0 Isopropanol

Results:

Summary:

| | | | | | |
|---------------------------|----------------------------------|---------------|--------------------|--------------------------|----------------------|
| Substrates: | | Aluminum | | | |
| Contaminants: | | Adhesive | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| EcoLink | Bulldog | 5 | 17.92 | <input type="checkbox"/> | |
| Innovative Organics Inc | Amberclean Q3 | 5 | 10.25 | <input type="checkbox"/> | |
| AG Environmental Products | Soy Clear 1500 | 100 | -24.15 | <input type="checkbox"/> | |
| AG Environmental Products | Canola Gold CE110 | 100 | -21.81 | <input type="checkbox"/> | |
| Phase III Inc | California Parts Washer Solution | 5 | 10.61 | <input type="checkbox"/> | |
| PCI of America | Hurrisafe 9575 | 5 | 23.59 | <input type="checkbox"/> | |

Conclusion: