

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 01/10/2003

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Greases

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.  
Cleaning: 5 min Immersion cleaning with stir-bar agitation @ 120 F  
Rinsing: 1/2 min, manual, in 102 F water (tap)  
Drying: 30 seconds heat gun 500 F  
Contaminant: Multi-Purpose Super White grease CRC Industries CAS# 64741-96-4, 7620-77-1, 1314-13-2, 57885-77-3, 13463-67-7

## Results:

### Summary:

|                            |  |                 |                    |                                     |                      |
|----------------------------|--|-----------------|--------------------|-------------------------------------|----------------------|
| <b>Substrates:</b>         |  | Stainless Steel |                    |                                     |                      |
| <b>Contaminants:</b>       |  | Greases         |                    |                                     |                      |
| <b>Company Name:</b>       | <b>Product Name:</b>                   | <b>Conc.:</b>   | <b>Efficiency:</b> | <b>Effective:</b>                   | <b>Observations:</b> |
| 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"/> |                      |
| BioGenesis Enterprises Inc | BG Solv 717 Ink & Graffiti Cleaner     | 100             | 99.94              | <input checked="" type="checkbox"/> |                      |
| Prisco Printers Service    | PES 320                                | 100             | 84.60              | <input checked="" type="checkbox"/> |                      |
| PCI of America             | Hurrisafe 9575                         | 20              | 81.98              | <input type="checkbox"/>            |                      |

### Conclusion: