

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 04/14/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Coatings

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: 1 min with heat gun @ 500F  
Contaminant: Emerson & Cumming EccoCoat Cc 40 A Conductive coating, CAS# 7440-22-4, 108-88-3, thermo plastic resin

## Results:

### Summary:

|                           |                                       |               |                    |                                     |                      |
|---------------------------|---------------------------------------|---------------|--------------------|-------------------------------------|----------------------|
| <b>Substrates:</b>        | Stainless Steel                       |               |                    |                                     |                      |
| <b>Contaminants:</b>      | Coatings                              |               |                    |                                     |                      |
| <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           | -12.70             | <input type="checkbox"/>            |                      |
| Florida Chemical Company  | Citrus Burst 7                        | 100           | 42.93              | <input checked="" type="checkbox"/> |                      |
| Florida Chemical Company  | D-Limonene                            | 100           | -11.94             | <input checked="" type="checkbox"/> |                      |
| Twin Rivers Technologies  | Methyl Ester 1618                     | 10            | 6.04               | <input checked="" type="checkbox"/> |                      |
| AG Environmental Products | Canola Gold CE110                     | 100           | -149.33            | <input type="checkbox"/>            |                      |
| AG Environmental Products | Soy Clear 1500                        | 100           | -92.05             | <input type="checkbox"/>            |                      |
| Vertec BioSolvents        | Take Off Green                        | 100           | -96.88             | <input type="checkbox"/>            |                      |
| Vertec BioSolvents        | VertecBio Gold Unscented Part Cleaner | 100           | 12.05              | <input type="checkbox"/>            |                      |
| Pentone Corporation       | Citrikleen XPC                        | 100           | 97.90              | <input checked="" type="checkbox"/> |                      |

### Conclusion: