

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 03/28/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

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: 30 seconds air blow off, 68 F  
Contaminant: Ferrocote 5815 LVO

## Results:

### Summary:

| <b>Substrates:</b>                | Aluminum                              |        |             |                                     |               |
|-----------------------------------|---------------------------------------|--------|-------------|-------------------------------------|---------------|
| <b>Contaminants:</b>              | Coatings                              |        |             |                                     |               |
| Company Name:                     | Product Name:                         | Conc.: | Efficiency: | Effective:                          | Observations: |
| Bio Chem Systems                  | Bio T 300 B                           | 100    | 99.67       | <input checked="" type="checkbox"/> |               |
| Bio Chem Systems                  | Bio T Max                             | 100    | 91.24       | <input checked="" type="checkbox"/> |               |
| AG Environmental Products         | Canola Gold CE110                     | 100    | 52.72       | <input type="checkbox"/>            |               |
| AG Environmental Products         | Soy Gold 1000                         | 100    | 29.11       | <input type="checkbox"/>            |               |
| AG Environmental Products         | Soy Gold 2000                         | 100    | 44.36       | <input type="checkbox"/>            |               |
| AG Environmental Products         | Soy Clear 1500                        | 100    | 39.67       | <input type="checkbox"/>            |               |
| United Laboratories International | United 2002 Harvest Gold              | 100    | 70.29       | <input type="checkbox"/>            |               |
| Vertec BioSolvents                | VertecBio Gold Unscented Part Cleaner | 100    | 69.41       | <input type="checkbox"/>            |               |
| Pentone Corporation               | Citrikleen XPC                        | 100    | 99.17       | <input checked="" type="checkbox"/> |               |
| Inland Technologies Inc           | Citrasafe                             | 100    | 100.05      | <input checked="" type="checkbox"/> |               |

Conclusion: After cleaning, wiping was performed to see if efficiencies would increase significantly. Trial 255 shows these results.