

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 02/04/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Greases, Lubricating/Lapping Oils

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 at 120 F with stir-bar agitation.  
Rinsing: 1/2 min. manual with water at 120 F.  
Drying: 1 min. with heat gun at 500 F.  
Contaminant:  
1. Grease: Keystone KSL-111, ELF Lubricants, Diester based grease.  
2. Lubricant - ELF Lubricants Nevastone Safeguard 6 Food Machinery lube oil (64742-47-8, 8042-47-5, 9003-29-6)

## Results:

### Summary:

|                             |                                   |        |             |                                     |                        |
|-----------------------------|-----------------------------------|--------|-------------|-------------------------------------|------------------------|
| Substrates:                 | Aluminum                          |        |             |                                     |                        |
| Contaminants:               | Greases, Lubricating/Lapping Oils |        |             |                                     |                        |
| Company Name:               | Product Name:                     | Conc.: | Efficiency: | Effective:                          | Observations:          |
| Bio Chem Systems            | Solsafe 245                       | 100    | 96.52       | <input checked="" type="checkbox"/> | Contaminant: Grease    |
| Bio Chem Systems            | Solsafe 245                       | 100    | 94.67       | <input checked="" type="checkbox"/> | Contaminant: Lubricant |
| Finger Lakes Chemical       | 1-1-02                            | 100    | 94.52       | <input checked="" type="checkbox"/> | Contaminant: Grease    |
| Oakite Products             | Citradet                          | 5      | 83.26       | <input type="checkbox"/>            | Contaminant: Grease    |
| Oakite Products             | Inproclean 2500                   | 5      | 84.10       | <input type="checkbox"/>            | Contaminant: Grease    |
| Watson Technical Associates | Watson Formula 7300               | 5      | 70.07       | <input type="checkbox"/>            | Contaminant: Grease    |

### Conclusion: