

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/10/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

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 : 1 min with heat gun @ 500F  
Contaminant: Elf Lubricants, Keystone KSL 111 Synthetic Tacky Grease  
CAS# 64742-478 Aliphatic solv

## Results:

### Summary:

| <b>Substrates:</b>                 | Aluminum                      |        |             |                                     |               |
|------------------------------------|-------------------------------|--------|-------------|-------------------------------------|---------------|
| <b>Contaminants:</b>               | Greases                       |        |             |                                     |               |
| Company Name:                      | Product Name:                 | Conc.: | Efficiency: | Effective:                          | Observations: |
| Kleer Flo Company                  | Grease Off 2                  | 5      | 82.24       | <input type="checkbox"/>            |               |
| Valtech Corporation                | Valtron SP 2201               | 5      | 69.59       | <input type="checkbox"/>            |               |
| Valtech Corporation                | Valtron SP 2200               | 5      | 92.93       | <input checked="" type="checkbox"/> |               |
| Permatex Industrial Corporation    | Natural Blue                  | 5      | 80.22       | <input type="checkbox"/>            |               |
| International Products Corporation | LF 2100 (Liquid Foam Cleaner) | 5      | 98.59       | <input checked="" type="checkbox"/> |               |
| US Polychem Corporation            | Polychem PW 147               | 5      | 71.64       | <input type="checkbox"/>            |               |

Conclusion: Only two cleaners were effective; Valtron SP 2200 and LF 2100 (92.93 & 98.59 %)