

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 02/25/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Inks

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 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: Ink: ITW Dykem  
CAS#: 64175, 123864, 71363, 9004700, 67630, 8004873.

## Results:

### Summary:

| <b>Substrates:</b>                | Aluminum                           |        |             |                          |               |
|-----------------------------------|------------------------------------|--------|-------------|--------------------------|---------------|
| <b>Contaminants:</b>              | Inks                               |        |             |                          |               |
| Company Name:                     | Product Name:                      | Conc.: | Efficiency: | Effective:               | Observations: |
| United Laboratories International | United 450 All Clear               | 5      | 8.88        | <input type="checkbox"/> |               |
| ITW Fluid Products Group          | AccuClean                          | 5      | -5.97       | <input type="checkbox"/> |               |
| Oakite Products                   | Inproclean 2000                    | 5      | -9.69       | <input type="checkbox"/> |               |
| Carroll Company                   | Blue Gold Heavy Industrial Cleaner | 5      | 2.74        | <input type="checkbox"/> |               |
| Chemical Technologies             | Green Thunder                      | 5      | -5.10       | <input type="checkbox"/> |               |
| EnviroSan Products Ltd            | Solution 2000                      | 5      | -18.26      | <input type="checkbox"/> |               |

Conclusion: None of the cleaners were effective.