

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2001

DateRun: 12/31/2001

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Cutting/Tapping Fluids

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 in water at 120 F  
Drying : 1 min with heat gun at 500 F.  
Contaminants : Winfield Brooks - Alumtap.  
Cas # 64742-53-6, 127-18-4, 111-63-7.

## Results:

### Summary:

| <b>Substrates:</b>    |                   | Aluminum               |             |                                     |               |
|-----------------------|-------------------|------------------------|-------------|-------------------------------------|---------------|
| <b>Contaminants:</b>  |                   | Cutting/Tapping Fluids |             |                                     |               |
| Company Name:         | Product Name:     | Conc.:                 | Efficiency: | Effective:                          | Observations: |
| Alconox Inc           | Alcojet           | 1                      | 82.08       | <input type="checkbox"/>            |               |
| Buckeye International | Shopmaster FF     | 5                      | 92.38       | <input checked="" type="checkbox"/> |               |
| Buckeye International | Shopmaster HP     | 5                      | 92.05       | <input checked="" type="checkbox"/> |               |
| Buckeye International | Shopmaster LPH    | 5                      | 89.92       | <input checked="" type="checkbox"/> |               |
| Calgon Corporation    | SC 431            | 5                      | 97.16       | <input checked="" type="checkbox"/> |               |
| Buckeye International | Immersion Cleaner | 5                      | 92.39       | <input checked="" type="checkbox"/> |               |
| Brulin Corporation    | Aquavantage 1400  | 5                      | 97.37       | <input type="checkbox"/>            |               |

### Conclusion: