

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2001

DateRun: 12/10/2001

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Oil

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  
Rinsing: 30 sec manual rinsing at 120 F  
Drying: using hot gun at 500 F for 1 min.  
Contaminant : Cook's industries-Cool 5284. Cas # : 64742-53-6 , 61788-76-9 , 4719-04-4 , 9005-07-6 , 6472-52-5 , sodium petro

Results: There was a distinct layer of oil on Calgon SC 431

Summary:

| <b>Substrates:</b>    |                   | Aluminum |             |                                     |               |
|-----------------------|-------------------|----------|-------------|-------------------------------------|---------------|
| <b>Contaminants:</b>  |                   | Oil      |             |                                     |               |
| Company Name:         | Product Name:     | Conc.:   | Efficiency: | Effective:                          | Observations: |
| Alconox Inc           | Alcojet           | 1        | 98.95       | <input checked="" type="checkbox"/> |               |
| Buckeye International | Shopmaster FF     | 5        | 99.55       | <input checked="" type="checkbox"/> |               |
| Buckeye International | Shopmaster HP     | 5        | 87.64       | <input checked="" type="checkbox"/> |               |
| Buckeye International | Shopmaster LPH    | 5        | 91.23       | <input checked="" type="checkbox"/> |               |
| Calgon Corporation    | SC 431            | 5        | 97.29       | <input checked="" type="checkbox"/> |               |
| Buckeye International | Immersion Cleaner | 5        | 95.42       | <input checked="" type="checkbox"/> |               |

Conclusion: