

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 12/05/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Fluxes

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 120 F water (tap)  
Drying: 1 min with heat gun @ 500F  
Contaminant: VOC Free No Clean Flux, CAS# 7732-18-5, 68937-72-4

## Results:

### Summary:

| <b>Substrates:</b>            | Stainless Steel  |               |                    |                                     |  |
|-------------------------------|--|---------------|--------------------|-------------------------------------|--|
| <b>Contaminants:</b>          | Fluxes   |               |                    |                                     |  |
| <b>Company Name:</b>          | <b>Product Name:</b>                                   | <b>Conc.:</b> | <b>Efficiency:</b> | <b>Effective:</b>                   | <b>Observations:</b>   |
| Buckeye International         | XL 100 Cleaner & Degreaser                             | 5             | 24.42              | <input type="checkbox"/>            |  |
| Buckeye International         | Immersion Cleaner                                      | 5             | 82.36              | <input type="checkbox"/>            | Vary time, concentration or mechanical energy of cleaning or rinsing to increase efficiency. |
| Buckeye International         | Ambush   | 5             | 39.08              | <input type="checkbox"/>            |  |
| SOQ Environmental Technology  | Ecomate FN   | 5             | 48.59              | <input type="checkbox"/>            |  |
| Simple Green                  | Concentrated Industrial Strength Cleaner and Degreaser | 5             | 11.10              | <input type="checkbox"/>            |  |
| Magnaflux                     | Daraclean 236  | 5             | 32.85              | <input type="checkbox"/>            |  |
| Magnaflux                     | Daraclean 203  | 5             | 99.70              | <input checked="" type="checkbox"/> |  |
| A 1 Hydro Parke Hill Chemical | SW Wash 10 Aircraft Cleaner                            | 5             | 37.05              | <input type="checkbox"/>            |  |

### Conclusion: