

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1999

DateRun: 10/19/1999

Experimenters: Nicole Vayo

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum, Brass, Copper, Nickel, Stainless Steel

PartType: Coupon

Contaminants: Coatings, Inks, Lubricating/Lapping Oils, 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.  
Laboratory evaluation.  
Contaminant: Ink, CAS: 67-63-0, 108-88-3, 9004-70-0, 109-60-4, 141-78-6, 64-17-5  
Oil, CAS: 64741-89-5  
Coating, CAS: 64742-47-8, 64742-52-5  
Lubricant, CAS: 64742-47-8, 9003-29-6

## Results:

### Summary:

| <b>Substrates:</b>             | Aluminum, Brass, Copper, Nickel, Stainless Steel |        |             |                                     |               |
|--------------------------------|--|--------|-------------|-------------------------------------|---------------|
| <b>Contaminants:</b>           | Coatings, Inks, Lubricating/Lapping Oils, Oil    |        |             |                                     |               |
| Company Name:                  | Product Name:                                    | Conc.: | Efficiency: | Effective:                          | Observations: |
| Oakite Products                | Inproclean 2500                                  | 5      | 99.40       | <input checked="" type="checkbox"/> | coating       |
| Oakite Products                | Inproclean 2500                                  | 5      | 3.20        | <input type="checkbox"/>            | ink           |
| Oakite Products                | Inproclean 2500                                  | 5      | 98.70       | <input checked="" type="checkbox"/> | oil           |
| Oakite Products                | Inproclean 2500                                  | 5      | 98.40       | <input checked="" type="checkbox"/> | lubricant     |
| Matchless Metal Polish Company | MC 132   | 5      | 90.50       | <input checked="" type="checkbox"/> | coating       |
| Matchless Metal Polish Company | MC 132   | 5      | 21.70       | <input type="checkbox"/>            | ink           |
| Matchless Metal Polish Company | MC 132   | 5      | 97.30       | <input checked="" type="checkbox"/> | oil           |
| Hubbard Hall Inc               | Ram Charger                                      | 5      | 73.00       | <input type="checkbox"/>            | coating       |
| Hubbard Hall Inc               | Ram Charger                                      | 5      | 0.75        | <input type="checkbox"/>            | ink           |
| Hubbard Hall Inc               | Ram Charger                                      | 5      | 94.10       | <input checked="" type="checkbox"/> | oil           |

### Conclusion: