

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 05/08/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Latex binder

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 with water at 120 F.  
Drying: 1 min. with heat gun at 500 F.  
Contaminant: latex Binder Mix,  
CAS#: 9016-45-, 79-06-1, 7664-41-7, 924-42-5, 50-00-0, 133386-4, 57-55-6, 7732-18-5

## Results:

### Summary:

|                      |                               |               |                    |                          |                        |
|----------------------|-------------------------------|---------------|--------------------|--------------------------|------------------------|
| <b>Substrates:</b>   | Stainless Steel               |               |                    |                          |                        |
| <b>Contaminants:</b> | Latex binder                  |               |                    |                          |                        |
| <b>Company Name:</b> | <b>Product Name:</b>          | <b>Conc.:</b> | <b>Efficiency:</b> | <b>Effective:</b>        | <b>Observations:</b>   |
| Kyzen Corporation    | Ionox HC 2                    | 100           | 46.89              | <input type="checkbox"/> |                        |
| Safe Science Inc     | Heavy Duty Kitchen Cleaner F1 | 5             | 54.42              | <input type="checkbox"/> |                        |
| Safe Science Inc     | Heavy Duty Kitchen Cleaner F2 | 5             | 33.32              | <input type="checkbox"/> |                        |
| Sysco Corporation    | Heavy Duty Kitchen Cleaner    | 5             | 57.28              | <input type="checkbox"/> |                        |
| Dow Chemical Company | XUS 40570 Development Solvent | 100           | 59.59              | <input type="checkbox"/> |                        |
| Dow Chemical Company | XUS 40579 Development Solvent | 100           | 54.60              | <input type="checkbox"/> |                        |
| Oakite Products      | Inproclean 61 B               |               | 36.25              | <input type="checkbox"/> | Cocentration: 20.6g/ml |
| Oakite Products      | Inproclean 2300               |               | -6.03              | <input type="checkbox"/> | Concentration: 426 g/l |
| Magnaflux            | Daraclean 121                 | 5             | 23.77              | <input type="checkbox"/> |                        |

Conclusion: None of the cleaners were effective.