

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 05/09/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Latex binder

Cleaning Methods: Ultrasonics

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.
 Degasifying: 5 min. in ultrasonic crest at 120 F.
 Cleaning: 2 min. with ultrasonic agitation at 120 F.
 Rinsing: 1/2 min. manual with water at 120 F.
 Drying: 1 min. with heat gun at 500 F.
 Contaminant: Latex Binder Mix.
 CAS#: 9016-45-9, 79-06-1, 7664-41-7, 50-00-0, 57-55-6, 79-06-1, 924-42-5, 1333-86-4, 7732-18-5.

Results:

Summary:

| | | | | | |
|----------------------|-------------------------------|-----------------|--------------------|-------------------------------------|---------------------------------|
| Substrates: | | Stainless Steel | | | |
| Contaminants: | | Latex binder | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Kyzen Corporation | Ionox HC 2 | 100 | 104.68 | <input type="checkbox"/> | |
| Safe Science Inc | Heavy Duty Kitchen Cleaner F1 | 5 | 100.84 | <input checked="" type="checkbox"/> | |
| Safe Science Inc | Heavy Duty Kitchen Cleaner F2 | 5 | 100.75 | <input checked="" type="checkbox"/> | |
| Sysco Corporation | Heavy Duty Kitchen Cleaner | 5 | 95.51 | <input checked="" type="checkbox"/> | |
| Dow Chemical Company | XUS 40570 Development Solvent | 100 | 74.50 | <input type="checkbox"/> | solvent remained on the coupons |
| Dow Chemical Company | XUS 40579 Development Solvent | 100 | 55.54 | <input type="checkbox"/> | |
| Magnaflux | Daraclean 121 | 5 | 99.95 | <input checked="" type="checkbox"/> | |
| Oakite Products | Inproclean 61 B | | 85.98 | <input checked="" type="checkbox"/> | concentration: 20.6 g/l |
| Oakite Products | Inproclean 2300 | | 111.73 | <input type="checkbox"/> | concentration: 426 g/l |

Conclusion: