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	☐	
Safe Science Inc	Heavy Duty Kitchen Cleaner F1	5	100.84	☑	
Safe Science Inc	Heavy Duty Kitchen Cleaner F2	5	100.75	☑	
Sysco Corporation	Heavy Duty Kitchen Cleaner	5	95.51	☑	
Dow Chemical Company	XUS 40570 Development Solvent	100	74.50	☐	solvent remained on the coupons
Dow Chemical Company	XUS 40579 Development Solvent	100	55.54	☐	
Magnaflux	Daraclean 121	5	99.95	☑	
Oakite Products	Inproclean 61 B		85.98	☑	concentration: 20.6 g/l
Oakite Products	Inproclean 2300		111.73	☐	concentration: 426 g/l

Conclusion: