CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2002
DateRun:	03/19/2002
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. in ultrasonic crest at 120F 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, 924-42-5, 50-00-0, 1333-86-4, 57-55-6, 7732-18-5 fluoroacrylate copolymer emulsion, Linear alkyl benzene sulfonate.
Results:	

Summary:

Substrates:	Stainless Steel				
Contaminants:	Latex binder				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Chemical Technologies	Green Thunder	5	99.98	☑	
CRC Industries	Complex Blue	5	96.80	☑	
EnviroSan Products Ltd	Solution 2000	5	94.87	☑	
Heatbath Corporation	Alu-Kleen 36	5	91.51	☑	
ITW Fluid Products Group	AccuClean	5	93.82	☑	
Oakite Products	Inproclean 2000	5	81.96	☐	
Heatbath Corporation	Power Wash Cleaner BCR	5	84.80	☐	

Conclusion: It was observed that the coupons cleaned with the Green Thunder were completely cleaned. We could see the traces of the contaminant on the other coupons.