CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/13/2002

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.

Degasing: 5 min. cleaners were kept in ultrasonic crest at 120 F.
Cleaning:2 min. in ultrasonic crest at 120 F.
Rinsing: 1/2 min, manual, in tap water @ 120 F
Drying: 1 min with heat gun @ 500 F
Contaminant : Latex binder mix-(00146)-linear alky

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Latex binder				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	5	106.74	☐	
Calgon Corporation	Geo Guard 2000	5	115.45	☐	
Calgon Corporation	GP Xtra	5	106.54	☐	
PCI of America	Hurrisafe 9450	5	107.98	☐	
Brulin Corporation	Nature Sol 100	5	106.22	☐	
AW Chesterton	181 Low Alkaline Cleaner	5	121.02	☐	

Conclusion: All cleaners were effective but in some cases % efficiency was obtained above 100 %. This may be due to the fact that coupons the were not clean of the contaminant from the previous runs.