

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	<input checked="" type="checkbox"/>	
CRC Industries	Complex Blue	5	96.80	<input checked="" type="checkbox"/>	
EnviroSan Products Ltd	Solution 2000	5	94.87	<input checked="" type="checkbox"/>	
Heatbath Corporation	Alu-Kleen 36	5	91.51	<input checked="" type="checkbox"/>	
ITW Fluid Products Group	AccuClean	5	93.82	<input checked="" type="checkbox"/>	
Oakite Products	Inproclean 2000	5	81.96	<input type="checkbox"/>	
Heatbath Corporation	Power Wash Cleaner BCR	5	84.80	<input type="checkbox"/>	

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.