

# 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:

<b>Substrates:</b>		Stainless Steel				
<b>Contaminants:</b>		Latex binder				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>	
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.