

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002  
 DateRun: 01/23/2002  
 Experimenters: Purav Dave  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Stainless Steel  
 PartType: Coupon  
 Contaminants: Abrasive, Paints, Waxes  
 Cleaning Methods: Immersion/Soak  
 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.  
 Cleaning: 5 min. immersion cleaning at 120 F with mechanical agitation by means of air sparger. (Cleaning with D-greeze was carried out at room temperature).  
 Rinsing: 1/2 min. manual with water at 120 F.  
 Drying: 1 min. with heat gun at 500 F.  
 Abrasive: Silicone - GE Silicones SM 2163 Silicone emulsion (112945-52-5)  
 Paint - Nybco Designer Colors Satin finish 4660 Country Blue, Contains Toluene, Xylene, Acetone  
 Wax - Stevenson Brothers and Co. Inc. Petroleum Paraffin wax  
 Results: Except for wax coupons other were dried using heat gun. Coupons with wax were air dried.

Summary:

<b>Substrates:</b>	Stainless Steel				
<b>Contaminants:</b>	Abrasive, Paints, Waxes				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Transene Company, Inc.	D Greeze 1000	100	99.88	<input checked="" type="checkbox"/>	Contaminant: Silicone
US Polychem Corporation	Polyspray Jet 790 C	5	98.14	<input checked="" type="checkbox"/>	Contaminant: Silicone
Transene Company, Inc.	D Greeze 1000	100	7.13	<input type="checkbox"/>	Contaminant: wax
Alconox Inc	Det-O-Jet	5	0.02	<input type="checkbox"/>	Contaminant: wax
Turco Products Inc	Turco 5948 DPM	5	4.24	<input type="checkbox"/>	Contaminant: paint
US Polychem Corporation	Polyspray Jet 790 C	5	1.72	<input type="checkbox"/>	Contaminant: paint

Conclusion: