

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/24/2002

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: