

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002
 DateRun: 01/30/2002
 Experimenters: Purav Dave
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Stainless Steel
 PartType: Coupon
 Contaminants: Paints, Resins/Rosins
 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 at 120 F with stir-bar agitation.
 Rinsing: 1/2 min. manual with water at 120 F.
 Drying: 1 min. with heat gun at 500 F.
 Contaminant:
 1. Adhesive/Resin: Gelva multipolymer resin solution.
 Cas # : 50862-46-9
 2. Paint - Nybco Designer Colors Satin finish 4660 Country Blue, Contains Toluene, Xylene, Acetone

Results: 1.On cleaning resin with Solsafe 245 it was observed that surface was cleaned at some places and bubble sort of encapsulation was observed at other places, where cleaner might be trapped, thus increasing the final weight.

Summary:

Substrates:		Stainless Steel			
Contaminants:		Paints, Resins/Rosins			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Today & Beyond	Beyond 2007	5	1.81	<input type="checkbox"/>	Contaminant: Resin
Today & Beyond	Beyond 2007	5	0.37	<input type="checkbox"/>	Contaminant: paint
Today & Beyond	Beyond 2004	5	2.40	<input type="checkbox"/>	Contaminant: resin
Today & Beyond	Beyond 2004	5	2.56	<input type="checkbox"/>	Contaminant: paint
Bio Chem Systems	Solsafe 245	100	232.75	<input type="checkbox"/>	Contaminant: resin
Oakite Products	Citradet	5	0.97	<input type="checkbox"/>	Contaminant: resin
Oakite Products	Oakite 77		3.26	<input type="checkbox"/>	Concentration: 60gm/l; Contaminant: Resin

Conclusion: