

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: