

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 02/04/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Mold Releases, Waxes, Latex binder

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 stir-bar agitation.
Rinsing: 1/2 min. manual with water at 120 F.
Drying: 1 min. with heat gun at 500 F.
Contaminant:
1. Latex Binder mix (00146) Contains-Flouro acrylate copolymer emulsion
2. Mold Release - Silicone - GE Silicones SM 2163 Silicone emulsion (112945-52-5)
3. Wax - Stevenson Brothers and Co. Inc. Petroleum Paraffin wax

Results:

Summary:

Substrates:		Stainless Steel			
Contaminants:		Mold Releases, Waxes, Latex binder			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Finger Lakes Chemical	1-1-02	100	-78.51	<input type="checkbox"/>	Contaminant: Latex binder mix
Oakite Products	Oakite 77		183.09	<input type="checkbox"/>	Concentration: 60gm/l; Contaminant: Latex binder mix
Today & Beyond	Beyond 2007	5	0.81	<input type="checkbox"/>	Contaminant: wax
Oakite Products	Citradet	5	0.85	<input type="checkbox"/>	Contaminant: wax
Today & Beyond	Beyond 2006	5	0.49	<input type="checkbox"/>	Contaminant: wax
Today & Beyond	Beyond 2006	5	98.08	<input checked="" type="checkbox"/>	Contaminant: Silicones

Conclusion: