

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2001

DateRun: 12/27/2001

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: 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 with stir-bar agitation at 120 F
Rinsing : 1/2 min. manual in water at 120 F
Drying : 1 min. with heat gun at 500 F
Contaminant : latex binder mix (00146),
CAS# of contaminant : 9016-45-9,7664-41-7, 50-00-0

Results: Increase in weight in some cases, decrease in others.

Summary:

Substrates:		Stainless Steel			
Contaminants:		Latex binder			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Alconox Inc	Alcojet	1	38.23	<input type="checkbox"/>	Increase in weight in 1 coupon
Buckeye International	Shopmaster FF	5	-15.14	<input type="checkbox"/>	Decrease in weight in only 1 coupon
Buckeye International	Shopmaster HP	5	2.70	<input type="checkbox"/>	Decrease in weight only in 1 coupon
Buckeye International	Shopmaster LPH	5	82.13	<input type="checkbox"/>	in one coupon removal was above 100 percent.
Calgon Corporation	SC 431	5	26.60	<input type="checkbox"/>	
Buckeye International	Immersion Cleaner	5	-9.26	<input type="checkbox"/>	Decrease in weight in 1 coupon
Brulin Corporation	Aquavantage 1400	5	-2.24	<input type="checkbox"/>	Decrease in weight of one coupon

Conclusion: Failure of the test. Bizarre change in weight of the coupons found.