

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 04/02/2003

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Lubricating/Lapping Oils

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 @ 120 F
Rinsing: 1/2 min, manual, in 102 F water (tap)
Drying: 1 min with heat gun @ 500F
Contaminant: Elf Lubricants Novastone Safeguard 6 Food machinery Lube oil CAS# 64742-47-8, 8042-47-

Results:

Summary:

Substrates:		Stainless Steel			
Contaminants:		Lubricating/Lapping Oils			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Florida Chemical Company	Citrus Burst 7	100	58.04	<input type="checkbox"/>	
Florida Chemical Company	D-Limonene	100	72.40	<input type="checkbox"/>	Could increase efficiency by increasing time or changing rinsing and/or drying method
AG Environmental Products	Canola Gold CE110	100	-22.18	<input type="checkbox"/>	
AG Environmental Products	Soy Clear 1500	100	-22.84	<input type="checkbox"/>	
Vertec BioSolvents	Paint stripper	100	38.67	<input type="checkbox"/>	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	-23.87	<input type="checkbox"/>	
Pentone Corporation	Citrikleen XPC	100	65.64	<input type="checkbox"/>	Increase efficiency by increasing time of cleaning or by changing rinsing and drying method
Vertec BioSolvents	Take Off Green	100	93.99	<input checked="" type="checkbox"/>	

Conclusion: