

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 04/10/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Paints

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: Bowman Dist Semi-Gloss Black Enamel Paint
CAS# 67-64-1, 1330-20-7, 64-17-5, 763-69-9

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Paints				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Metabolix Inc	Metabolix E3HB	100	95.81	<input checked="" type="checkbox"/>	
Florida Chemical Company	Citrus Burst 7	100	95.45	<input checked="" type="checkbox"/>	
Florida Chemical Company	D-Limonene	100	99.61	<input checked="" type="checkbox"/>	
Bio Chem Systems	Bio T 300 B	100	98.34	<input checked="" type="checkbox"/>	
Brulin Corporation	Nature Sol 100	100	98.34	<input checked="" type="checkbox"/>	
Twin Rivers Technologies	Methyl Ester 1618	100	100.58	<input checked="" type="checkbox"/>	
AG Environmental Products	Canola Gold CE110	100	86.32	<input checked="" type="checkbox"/>	
AG Environmental Products	Soy Gold 1000	100	93.09	<input checked="" type="checkbox"/>	
AG Environmental Products	Soy Gold 2000	100	87.14	<input checked="" type="checkbox"/>	
AG Environmental Products	Soy Clear 1500	100	87.02	<input checked="" type="checkbox"/>	
United Laboratories International	United 2002 Harvest Gold	100	82.12	<input type="checkbox"/>	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	89.97	<input checked="" type="checkbox"/>	
Inland Technologies Inc	Citrasafe	100	99.92	<input checked="" type="checkbox"/>	
Finger Lakes Chemical	2-22 D Limonene Industrial Cleaner	100	99.48	<input checked="" type="checkbox"/>	
EcoLink	Vortex	100	99.79	<input checked="" type="checkbox"/>	

Conclusion: Did second test on some coupons using wiping with paper towel to increase efficiency.