

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 04/03/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Waxes

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: 30 seconds air blow off, 68 F
Contaminant: wax, Roger Reed 93114m hydrocarbon wax

Results:

Summary:

Substrates:		Aluminum				
Contaminants:		Waxes				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Metabolix Inc	Metabolix E3HB	100	7.89	<input type="checkbox"/>		
Florida Chemical Company	Citrus Burst 7	100	17.81	<input type="checkbox"/>		
Florida Chemical Company	D-Limonene	100	27.48	<input type="checkbox"/>		
Twin Rivers Technologies	Methyl Ester 1618	100	-17.34	<input type="checkbox"/>		
AG Environmental Products	Canola Gold CE110	100	-29.16	<input type="checkbox"/>		
AG Environmental Products	Soy Clear 1500	100	-47.92	<input type="checkbox"/>		
Vertec BioSolvents	Take Off Green	100	53.67	<input type="checkbox"/>		
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	-24.76	<input type="checkbox"/>		
Pentone Corporation	Citrikleen XPC	100	34.71	<input type="checkbox"/>		

Conclusion: Wipe removal done on 4 cleaners after trial was run to see if it increased efficiency. It is trial 259.