

# 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:

<b>Substrates:</b>	Aluminum				
<b>Contaminants:</b>	Waxes				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
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.