

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003  
 DateRun: 04/02/2003  
 Experimenters: Jason Marshall  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Aluminum  
 PartType: Coupon  
 Contaminants: Oil  
 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: Citgo Quench Oil 22 CAS# 64741-89-5, 8052-42-4

## Results:

### Summary:

<b>Substrates:</b>	Aluminum				
<b>Contaminants:</b>	Oil				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Florida Chemical Company	Citrus Burst 7	100	36.68	<input type="checkbox"/>	
Florida Chemical Company	D-Limonene	100	87.20	<input type="checkbox"/>	
AG Environmental Products	Canola Gold CE110	100	12.14	<input type="checkbox"/>	
AG Environmental Products	Soy Clear 1500	100	-2.38	<input type="checkbox"/>	
Vertec BioSolvents	Take Off Green	100	97.80	<input checked="" type="checkbox"/>	These were wiped clean also
Vertec BioSolvents	Paint stripper	100	-5.74	<input type="checkbox"/>	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	-4.64	<input type="checkbox"/>	
Pentone Corporation	Citrikleen XPC	100	74.88	<input type="checkbox"/>	
Finger Lakes Chemical	2-22 D Limonene Industrial Cleaner	100	2.14	<input type="checkbox"/>	

Conclusion: After cleaning, wiping was performed to see if efficiencies would increase significantly. Trial 257 shows these results.