

# 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:**

<b>Substrates:</b>		Stainless Steel			
<b>Contaminants:</b>		Paints			
<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	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.