

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003
 DateRun: 03/28/2003
 Experimenters: Jason Marshall
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Aluminum
 PartType: Coupon
 Contaminants: Coatings
 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: Ferrocote 5815 LVO

Results:

Summary:

Substrates:	Aluminum				
Contaminants:	Coatings				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Bio Chem Systems	Bio T 300 B	100	99.67	<input checked="" type="checkbox"/>	
Bio Chem Systems	Bio T Max	100	91.24	<input checked="" type="checkbox"/>	
AG Environmental Products	Canola Gold CE110	100	52.72	<input type="checkbox"/>	
AG Environmental Products	Soy Gold 1000	100	29.11	<input type="checkbox"/>	
AG Environmental Products	Soy Gold 2000	100	44.36	<input type="checkbox"/>	
AG Environmental Products	Soy Clear 1500	100	39.67	<input type="checkbox"/>	
United Laboratories International	United 2002 Harvest Gold	100	70.29	<input type="checkbox"/>	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	69.41	<input type="checkbox"/>	
Pentone Corporation	Citrikleen XPC	100	99.17	<input checked="" type="checkbox"/>	
Inland Technologies Inc	Citrasafe	100	100.05	<input checked="" type="checkbox"/>	

Conclusion: After cleaning, wiping was performed to see if efficiencies would increase significantly. Trial 255 shows these results.