CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 03/30/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Fluxes

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: Flux - Alpha 615 RMA Flux CAS# 67-63-0, 8052-41-3, 8050-07-7

Results:

Summary:

Substrates:	Aluminum				
Contaminants:	Fluxes				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Florida Chemical Company	Citrus Burst 7	120	100.08	☑	
Florida Chemical Company	D-Limonene	100	100.03	☑	
Bio Chem Systems	Bio T Max	100	98.07	☑	
Brulin Corporation	Nature Sol 100	100	100.05	☑	
Twin Rivers Technologies	Methyl Ester 1618	100	73.42	☐	
AG Environmental Products	Canola Gold CE110	100	93.63	☑	
AG Environmental Products	Soy Gold 1000	100	90.21	☑	
AG Environmental Products	Soy Gold 2000	100	91.24	☑	
AG Environmental Products	Soy Clear 1500	100	85.81	☑	
United Laboratories International	United 2002 Harvest Gold	100	81.64	☐	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	70.90	☐	
EcoLink	Vortex	100	97.87	☑	
Finger Lakes Chemical	2-22 D Limonene Industrial Cleaner	100	99.91	☑	

Conclusion: