

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 04/10/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Resins/Rosins

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: Ashland Specialty Chem Co, Acrylic resin, Aeroset 1872 Z 40
CAS# 108-88-3, 141-78-6

Results:

Summary:

Substrates:		Stainless Steel			
Contaminants:		Resins/Rosins			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Florida Chemical Company	Citrus Burst 7	100	96.81	<input checked="" type="checkbox"/>	
Twin Rivers Technologies	Methyl Ester 1618	100	91.61	<input checked="" type="checkbox"/>	
AG Environmental Products	Canola Gold CE110	100	-218.70	<input type="checkbox"/>	
AG Environmental Products	Soy Clear 1500	100	-350.29	<input type="checkbox"/>	
Vertec BioSolvents	Ink Zapper	100	-298.42	<input type="checkbox"/>	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	92.42	<input checked="" type="checkbox"/>	
Pentone Corporation	Citrikleen XPC	100	-61.42	<input type="checkbox"/>	

Conclusion: Wipe removal done on 4 cleaners after trial was run to see if it increased efficiency. It is trial 252