

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 01/10/2003

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Greases

Cleaning Methods: Ultrasonics

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.
 Degassing: Degassing the solution by keeping solutions in ultrasonic crest for 5 min at 120 F.
 Cleaning: Ultrasonic for 5 min. at 120 F.
 Rinsing: 1/2 min. manual with water at 120 F.
 Drying: 30 seconds, heat gun 500 F

Results:

Summary:

Substrates:		Stainless Steel				
Contaminants:		Greases				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Ashland Specialty Chemical Company	Perchloroethylene	5	8.36	<input type="checkbox"/>		
Brulin Corporation	Airshow W	5	-0.53	<input type="checkbox"/>		
BioGenesis Enterprises Inc	BG Solv 717 Ink & Graffiti Cleaner	100	87.24	<input checked="" type="checkbox"/>		
Gemtek Products	SC EZ Solv Safety Solvent	100	5.24	<input type="checkbox"/>		
CRC Industries	HydroForce Butyl-Free All Purpose Cleaner	100	99.05	<input checked="" type="checkbox"/>		
Buckeye International	Work Out	5	-0.45	<input type="checkbox"/>		

Conclusion: Took four worst sets of coupons from previous trial and tried more energy by using Ultrasonics to clean for between 5-10 minutes.