

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/15/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Oil

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.
 Degasing: Cleaners were kept in ultrasonic crest for 5 min. at 120 F.
 Cleaning : 2 min. in ultrasonic crest at 120 F.
 Rinsing :1/2 min immersion cleaning at 120 F in water.
 Drying :1 min. with heat gun at 500 F.

Results:

Summary:

Substrates:		Stainless Steel				
Contaminants:		Oil				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	5	98.26	<input checked="" type="checkbox"/>		
Calgon Corporation	Geo Guard 2000	5	89.44	<input checked="" type="checkbox"/>		
Calgon Corporation	GP Xtra	5	100.37	<input checked="" type="checkbox"/>		
PCI of America	Hurrisafe 9450	5	96.11	<input checked="" type="checkbox"/>		
Brulin Corporation	Nature Sol 100	5	100.06	<input checked="" type="checkbox"/>		
AW Chesterton	181 Low Alkaline Cleaner	5	96.38	<input checked="" type="checkbox"/>		

Conclusion: All cleaners were effective.