

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/14/2002

Experimenters: Purav Dave

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.
 Degasing: Degasing the solution by keeping solutions in ultrasonic crest for 5 min at 120 F.
 Cleaning: Ultrasonic for 2 min. at 120 F.
 Rinsing: 1/2 min. manual with water at 120 F.
 Drying: 1 min.with heat gun at 500 F.
 Contaminant: Keystone -111 Diester based grease.

Results:

Summary:

Substrates:		Stainless Steel				
Contaminants:		Greases				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	5	98.69	<input checked="" type="checkbox"/>		
Calgon Corporation	Geo Guard 2000	5	71.46	<input type="checkbox"/>		
Calgon Corporation	GP Xtra	5	93.54	<input type="checkbox"/>		
PCI of America	Hurrisafe 9450	5	91.98	<input checked="" type="checkbox"/>		
Brulin Corporation	Nature Sol 100	5	54.15	<input type="checkbox"/>		
AW Chesterton	181 Low Alkaline Cleaner	5	57.37	<input type="checkbox"/>		

Conclusion: