

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/07/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Lubricating/Lapping Oils

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 at 120 F with stir-bar agitation.
 Rinsing : 1/2 min manual at 120 F .
 Drying : 1 min with heat gun at 500 F
 Contaminant :ELF Lubricants- Nevastone Safeguard 6-Lubricating oil.
 Cas No: 64742-47-8, 8042-47-5, 9003-29-6.

Results:

Summary:

Substrates:		Stainless Steel				
Contaminants:		Lubricating/Lapping Oils				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	5	98.64	<input checked="" type="checkbox"/>		
Calgon Corporation	Geo Guard 2000	5	89.89	<input checked="" type="checkbox"/>		
Calgon Corporation	GP Xtra	5	97.79	<input checked="" type="checkbox"/>		
Brulin Corporation	Nature Sol 100	5	99.45	<input checked="" type="checkbox"/>		
PCI of America	Hurrisafe 9450	5	97.68	<input checked="" type="checkbox"/>		
AW Chesterton	181 Low Alkaline Cleaner	5	97.32	<input type="checkbox"/>		

Conclusion: All cleaners worked.