

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/08/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Oil

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 at `40 F with stir-bar agitation.
Rinsing : 1/2 min. manual in water at 120 F
Drying : 1 min. with heat gun at 500 F
Contaminant : Contaminated machine Oil collected from machine table (Shelf CT-3-997109)

Results:

Summary:

Substrates:		Aluminum			
Contaminants:		Oil			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	5	85.96	<input checked="" type="checkbox"/>	
Calgon Corporation	Geo Guard 2000	5	127.12	<input type="checkbox"/>	acts on Al coupons
Calgon Corporation	GP Xtra	5	80.91	<input type="checkbox"/>	
PCI of America	Hurrisafe 9450	5	80.14	<input type="checkbox"/>	
Brulin Corporation	Nature Sol 100	5	98.52	<input checked="" type="checkbox"/>	

Conclusion: Coupons in Geoguard were kept for 2 and 1/2 min because it appeared to be acting on the coupons and it foamed a lot.