

# **CLEANING LABORATORY EVALUATION SUMMARY**

SCL #: 2004  
 DateRun: 03/01/2004  
 Experimenters: Dave Hout  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Aluminum  
 PartType: Coupon  
 Contaminants: Coatings  
 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. Two products were used at full strength and two others were heated to 130 F on a hot plate. Twelve preweighed coupons were coated with Ferrocote 5815 LVO and allowed to dry for a half an hour and reweighed. Three coupons were cleaned in each solution for 5 minutes using stir-bar-agitation, rinsed in a tap water bath for 15 seconds at 120 F and dried using air blow off for 30 seconds at 68 F. Coupons were allowed to dry for a half an hour and then reweighed a final time. Efficiencies were calculated.

Results:

Summary:

<b>Substrates:</b>		Aluminum			
<b>Contaminants:</b>		Coatings			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Chemtronics Inc	Super Bio Wash	100	42.32	<input type="checkbox"/>	
Man Gill Chemical Company	Gillite 1156	100	38.79	<input type="checkbox"/>	
Hubbard Hall Inc	Ram Charger	5	38.84	<input type="checkbox"/>	
Chemkleen International Inc.	CT 1 Multipurpose Cleaner	5	55.60	<input type="checkbox"/>	

Conclusion: None of the products were effective at removing the contaminants.