

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004
DateRun: 02/05/2004
Experimenters: Dave Hout
ClientType: Lab
ProjectNumber: Project #1
Substrates: Aluminum
PartType: Coupon
Contaminants: Resins/Rosins
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. One product was heated to 130 F on a hot plate and two products were used at full strength. Twenty-four preweighed coupons were coated with Ashland Acrylic Resin Aroset 1872 Z40 (108-88-3, 141-78-6, 142-82-5, 67-63-0) 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:

Substrates:		Aluminum				
Contaminants:		Resins/Rosins				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Chemtronics Inc	Super Bio Wash	100	-3.67	<input type="checkbox"/>		
Chemkleen International Inc.	CT 1 Multipurpose Cleaner	5	25.89	<input type="checkbox"/>		
Kyzen Corporation	Ionox HC	100	-36.65	<input type="checkbox"/>		

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