CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2004
DateRun:	02/04/2004
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	☐	
Chemkleen International Inc.	CT 1 Multipurpose Cleaner	5	25.89	☐	
Kyzen Corporation	Ionox HC	100	-36.65	☐	

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