CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2003
DateRun:	12/07/2003
Experimenters:	Dave Hout
ClientType:	Lab
ProjectNumber:	Project #1
Substrates:	Aluminum
PartType:	Coupon
Contaminants:	Fluxes
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 heated to 130 F on a hot plate and two others were used at full strength. Twelve preweighed coupons were coated with Flux - Alpha 615 RMA Flux (67-63-0, 8052-41-3, 8050-09-7) 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:	Fluxes				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Chemkleen International Inc.	CT 1 Multipurpose Cleaner	5	100.19	☑	
Calgon Corporation	Geo Guard 3015	5	8.30	☐	
EcoLink	Positron	100	90.22	☑	
Kyzen Corporation	Ionox HC	100	98.75	☑	

Conclusion: Three out of the four products were effective at an efficiency rate of over 90%