

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/11/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Cutting/Tapping Fluids

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 with stir-bar agitation @ 120 F  
Rinsing: 1/2 min, manual, in 102 F water (tap)  
Drying : 1 min with heatg un @ 500F  
Contaminant: Steco Corp, Tap Magic Protap ( cutting Fluid )  
CAS# 112-80-1

Results: Low Foam: The high removal rate may mean that there were contaminants on the coupon at the beginning of the trial and this cleaner removed the added and background contaminant.

Summary:

<b>Substrates:</b>		Aluminum			
<b>Contaminants:</b>		Cutting/Tapping Fluids			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Kleer Flo Company	Grease Off 2	5	96.30	<input type="checkbox"/>	
Valtech Corporation	Valtron SP 2201	5	92.86	<input checked="" type="checkbox"/>	
Valtech Corporation	Valtron SP 2200	5	99.25	<input checked="" type="checkbox"/>	
Permatex Industrial Corporation	Natural Blue	5	98.12	<input checked="" type="checkbox"/>	
International Products Corporation	LF 2100 (Liquid Foam Cleaner)	5	101.00	<input checked="" type="checkbox"/>	
US Polychem Corporation	Polychem PW 147	5	98.98	<input checked="" type="checkbox"/>	

Conclusion: All cleaners were effective (>93%)