

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002  
 DateRun: 01/10/2002  
 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				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
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%)