

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/09/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

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: Grease Off 2: First run came up with varied results, 138%, 38% & 92%. Re-ran trial with same coupons. Better results of 97%, 96.5% & 98%

Summary:

<b>Substrates:</b>		Stainless Steel			
<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	97.02	<input type="checkbox"/>	
Valtech Corporation	Valtron SP 2201	5	98.91	<input checked="" type="checkbox"/>	
Valtech Corporation	Valtron SP 2200	5	98.48	<input checked="" type="checkbox"/>	
Permatex Industrial Corporation	Natural Blue	5	99.27	<input checked="" type="checkbox"/>	
International Products Corporation	LF 2100 (Liquid Foam Cleaner)	5	98.22	<input checked="" type="checkbox"/>	
US Polychem Corporation	Polychem PW 147	5	99.76	<input checked="" type="checkbox"/>	

Conclusion: All cleaners were effective (> 96%)