

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002  
 DateRun: 09/05/2002  
 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, ambient  
 Rinsing: 1/2 min, manual, in 120F water (tap), ambient  
 Drying: 1 min with heat gun @ 500F  
 Contaminant: Steco Corp, Tap Magic Protap (cutting fluid)  
 CAS# 112-80-1(>75%) Aliphatic organic acid  
 112-62-9 (<15%) Aliphatic organic ester

**Results:**

**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>
EcoLink	Bulldog	5	97.82	<input checked="" type="checkbox"/>	
Innovative Organics Inc	Amberclean Q3	5	93.31	<input checked="" type="checkbox"/>	
AG Environmental Products	Soy Clear 1500	100	88.52	<input checked="" type="checkbox"/>	
AG Environmental Products	Canola Gold CE110	100	91.98	<input checked="" type="checkbox"/>	
Phase III Inc	California Parts Washer Solution	5	95.70	<input checked="" type="checkbox"/>	
PCI of America	Hurrisafe 9575	5	96.88	<input checked="" type="checkbox"/>	

**Conclusion:** The heated wash and rinse increased the effectiveness of all the cleaners.