

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002  
 DateRun: 03/22/2002  
 Experimenters: Purav Dave  
 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 at 120 F with stir bar agitation. (all the organic cleaners were run at room temperature)  
 Oil - Winfield Brooks Alumtap (64742-53-6, 127-18-6, 111-63-7)  
 Results: Observations: The coupons cleaned with perfluorosolve PFS 1 had cleaner on them even after rinsing. This cleaner was used by spraying as there was not enough cleaner to immerse the coupons completely. The cleaner Westech CT-4721 reacted with aluminum coupons violently and hence were removed after 30 sec.

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>
Sysco Corporation	Fryer & Grill Cleaner	5	94.45	<input checked="" type="checkbox"/>	
Ausimont USA Inc	Perfluorosolv PFS 1	100	52.78	<input type="checkbox"/>	
Tarksol Inc	SRKS 40	100	100.33	<input checked="" type="checkbox"/>	
Tomah Products Inc	Tomadyne 102	100	100.76	<input checked="" type="checkbox"/>	
Chem Tech Solutions	Westech CT 1550	100	101.77	<input checked="" type="checkbox"/>	
Chem Tech Solutions	Westech CT-4712	5	108.32	<input type="checkbox"/>	cannot be used with aluminium

Conclusion: