

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2011  
 DateRun: 10/13/2011  
 Experimenters: Heidi Wilcox, Johnny Le  
 ClientType: Microelectronics Mfr  
 ProjectNumber: Project #2  
 Substrates: Electronics  
 PartType: Part  
 Contaminants: Solder  
 Cleaning Methods: Ultrasonics  
 Analytical Methods: Visual

Purpose: Further evaluation on reduced odor cleaning products

Experimental Procedure: Here is the last batch of parts. I still have the others you sent me for follow up testing. I have had to order a few more samples of products for your guys. They should come in while I am away at my conference and I will clean your parts with them when they come in. Because we are doing cold cleaning we need to stick with the < 1 mm Hg so that makes things hard, thus why I asked about heat.

Anyway let me know what you think about these parts. I also included the Citrisafe in the mix so we can compare.

Results:	SWR One	5%
	Today and Beyond 2005	5%
	DS 108	100%
	Citri Safe	100%
	Ionox HC2	100%

All testing was done at room temperature, ultrasonics, for 10 minutes. They were then rinsed under tap water and blown dry with compressed air.

Summary:

<b>Substrates:</b>	Electronics				
<b>Contaminants:</b>	Solder				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
SWR Corporation	SWR One	5		<input type="checkbox"/>	
Today & Beyond	Beyond 2005	5		<input type="checkbox"/>	
Dysol	DS 108 Wipe Solvent	100		<input type="checkbox"/>	
Inland Technologies Inc	Citrasafe	100		<input checked="" type="checkbox"/>	
Kyzen Corporation	Ionox HC 2	100		<input type="checkbox"/>	

Conclusion: