CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2008

DateRun: 11/06/2008

Experimenters: Jason Marshall

ClientType: Electro-Optical Devices

ProjectNumber: Project #1

Substrates: Glass/Quartz

PartType: Coupon

Contaminants: Fluxes

Cleaning Methods: Manual Wipe

Analytical Methods: Visual

Purpose: To evaluate follow up products on flux removal.

Experimental Procedure: Five products were used at full strength and room temperature for removing the supplied flux. Coupons were coated with two layers of the RMA flux using a handheld swab. The coupons were manually wiped using the same method as previous trials, soaking the rag and wiping the surface. Time to remove the flux was recorded.

Results: All five of the products removed the flux within 10 seconds of the manual wiping. The table lists the amount of time required to remove the flux from the glass surface.

Product	Time
Free & Clear	4 seconds - possible film
Scout Glass & Surface	6 seconds
Kernel Clean	6 seconds - possible film
Clean Environment Glass	5 seconds
SC More Than Glass	7 seconds

Summary:

Substrates:	Glass/Quartz
Contaminants:	Fluxes

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Seventh Generation	Natural Glass and Surface Cleaner	100	0.00	☑	
Scout Systems	Scout Glass & Surface Cleaner	100	0.00	☑	
Franmar Chemical	Kernel Clean glass cleaner	100	0.00	☑	
The Clean Environment Co	Glass and Hard Surface Cleaner	100	0.00	☑	
Gemtek Products	SC More Than Glass Cleaner	100	0.00	☑	

Conclusion: All five products are good candidates for on-site piloting.