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: Films

Cleaning Methods: Manual Wipe

Analytical Methods: Visual

Purpose: To evaluate products with better pH values for EVA Film removal

Experimental Procedure: The top five products from the previous retesting were used at full strength and room temperature.

Glass coupons were contaminated with a strip of the supplied EVA Film. Coupons were then cleaned with each solution. Cleaning was performed by soaking a WypAll X60 reinforced paper towel with the cleaning solution. The coupons were then manually wiped for up to 2 minutes. Visual observations were made and recorded during cleaning.

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

Product	Time
Free & Clear	5 seconds
Scout Glass & Surface	3 seconds
Kernel Clean	7 seconds
Clean Environment Glass	4 seconds
SC More Than Glass	3 seconds

Summary:

Substrates:	Glass/Quartz
Contaminants:	Films

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: The five products will be evaluated on the supplied flux.