CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2008

DateRun: 06/17/2008

Experimenters: Jason Marshall

ClientType: Electro-Optical Devices

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Fluxes

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric

Purpose: To evaluate follow up product on flux removal.

Experimental Procedure: One product was used at full strength and room temperature for removing the supplied flux. Three preweighed aluminum coupons were coated with two layers of the RMA flux using a handheld swab. Once dry, coupons were weighed a second time to determine the amount of flux added. Three coupons were manually wiped using the same method as previous trials, soaking the rag and wiping the surface. Coupons were wiped briefly with a dry wipe to remove any residual cleaner. Final weights were recorded, and efficiencies calculated for each coupon cleaned.

Results: The Green Works Glass cleaner worked well at removing the flux. The table lists the amount of flux added, the amount remaining and efficiency for the three coupons cleaned.

Cleaner	Initial wt	Final wt	% Removed
Green Works Glass	0.0186	0.0046	75.27
	0.0232	0.0005	97.84
	0.0169	0.0005	97.04

Summary:

Substrates:	Aluminum				
Contaminants:	Fluxes				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Clorox Company	Green Works Glass and Surface Cleaner	100	90.05	☑	

Conclusion: The Green Works Glass cleaner could be used as potential cleaner for the flux operation based on laboratory evaluations.