

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2011

DateRun: 07/22/2011

Experimenters: Heidi Wilcox

ClientType:

ProjectNumber: Project #1

Substrates: Plastic

PartType: Coupon

Contaminants: Resins/Rosins

Cleaning Methods: Low Pressure Spray

Analytical Methods: Visual

Purpose: To evaluate CO2 snow gun equipment for effectiveness in removing resin from plastic pallets or trays

Experimental Procedure: CO2 was sprayed on the resin drops directly and the resin drops were then scraped off. The CO2 was sprayed at time intervals of 10, 20 and 30 seconds.

Results: The CO2 sprayed on the drops of resin for 20 seconds worked the best overall and allowed the resin to be scraped off easily.

Summary:

Substrates:		Plastic				
Contaminants:		Resins/Rosins				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:	
Applied Surface Technologies	CO2 Snowflakes, Low Flow	100		<input checked="" type="checkbox"/>		
Fisher Scientific	Absolute Ethanol	0	0.00	<input type="checkbox"/>		

Conclusion: CO2 with a snow gun apparatus could be a viable cleaning method for the resin on the plastic pallets. Chemical cleaners will be tried next.