CLEANING LABORATORY EVALUATION SUMMARY

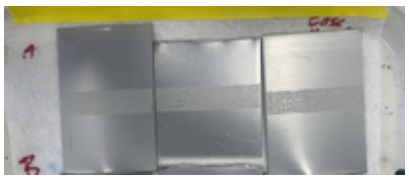
SCL #:	2023
DateRun:	08/22/2023
Experimenters:	Alicia McCarthy, Tatyanna Moreland Junior, Alexander Symko
ClientType:	
ProjectNumber:	Project #6
Substrates:	Aluminum, Glass/Quartz, Plastic, Stainless Steel
PartType:	Coupon
Contaminants:	Adhesive
Cleaning Methods:	Manual Wipe
Analytical Methods:	Visual
Purpose:	Determining the efficacy of Case Medical's Ink and Adhesive remover on autoclave tape adhesive residue
Experimental Procedure:	After input from the client, this experiment was altered to better fit the needs of the company. Coupons were cleaned prior to testing, and 3 of each substrate were used for this test; Anodized Aluminum, Glass, Plastic, and Stainless Steel. Autoclave tape was taped along the middle of each coupon, and then heated in the oven for 30 minutes at 250 degrees Fahrenheit. Following heating, the tape was removed from the coupons in such a way that as much adhesive was left behind on the coupon surface as possible. Pictures were then taken of the "soiled" coupons, and were visually evaluated using the standard cleanliness evaluation scale, with a value from 1 to 5 being assigned. 5 being the most dirty, and 1 being the most clean. 3 lab staff were used for evaluation values, labeled as A, B, and C. Next, the coupons were individually loaded onto the straight line washability unit. Using a microfiber cloth, the case medical product was sprayed 6 times on the surface of the coupon and twice on the microfiber towel, and then run for the standard 20 cycles. Finally, pictures of the coupons after cleaning were taken, and were rated on the same scale as they were prior.
Results:	Visual Analysis Results Table:

	Dirty			Clean				
Substrate	A	B	C	A	B	C	Average of Cleaned Substrate	Overall Average
Anodized Aluminum	5	5	5	5	5	5	5	5
	5	5	5	5	5	5		
	5	5	5	5	5	5		
Glass	5	5	5	5	5	5	5	
	5	5	5	5	5	5		
	5	5	5	5	5	5		
Plastic	5	5	5	5	5	5	5	
	5	5	5	5	5	5		
	5	5	5	5	5	5		
Stainless Steel	5	5	5	5	5	5	5	
	5	5	5	5	5	5		
	5	5	5	5	5	5		

Autoclave_tape_final

4 substrates of 3 coupons each soiled with autoclave tape adhesive after being cleaned

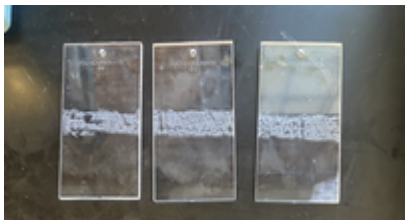
Image 1: Coupons after being cleaned



picture of anodized aluminum coupons after being soiled with autoclave tape adhesive, but prior to being cleaned

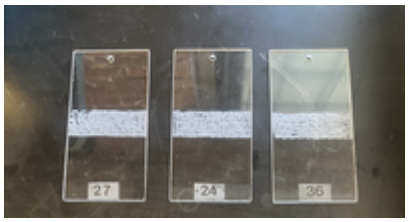
Image 2: Aluminum coupons prior to cleaning

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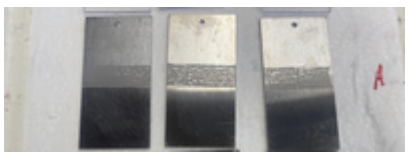
glass coupons after being soiled with autoclave tape adhesive prior to being cleaned

Image 3: Glass coupons prior to cleaning



plastic coupons after being soiled with autoclave tape adhesive residue prior to being cleaned

Image 4: Plastic coupons prior to cleaning



stainless steel coupons after being soiled with autoclave tape adhesive residue prior to being cleaned

Image 5: Stainless Steel coupons prior to cleaning

Summary:

Conclusion: Based on the results above, the case medical adhesive remover had little to no effect on removing the autoclave tape adhesive residue.