	Ace Lab Systems			gical Sa	fety Cabinet	t		Ace I	<u>D#</u>	
	St. Louis, MO 63110		Test Report :		9-120326-1					
	Tel: (314) 771-7272 Fax: (314) 771-6956			. –				Next Tes		
	WWW.AceLabSystem	s.Com	Work	< Order #: _	104492			March	2013	
Institution: ESS Data			Recovery		Service Reresentative:		Brooks, Darryl			
· · · · · · · · · · · · · · · · · · ·			n/a		Date Tested:		3-26-12			
			Research Dr.		Instrument Manufacturer:		Envirco			
		Edwardsville,			Model:			111-Z04-UL		
		Laura Hu			Serial #: Location:			S09-120V-00790		
Phone Number: <u>1-800-237-4200 ext 263</u>										
This unit meets the requirements of the following standards of specifications as of this date. Testing was performed in accordance with the criteria established line the National Sanitation Foundation, Standard Number 49 and/or Federal Standard 209E.										
	Tests Co	nducted				Fin	al Testing	g Results		
Particle C	Count	Sectrical	Safety		🗹 Unit Ce	rtified		Unit Not Cer	tified	
🗹 HEPA Fili	ter Leak Test	Decontam	nination		Remarks:	Final Te	est Satisfac	ctory		
Velocity Profile and Volume		Federal S	eral Standard 209E		Remarks.		*Adjusted speed control until 80-120			
✓ Face Velocity							feet per minute was attained.			
	2			ationa	Mag Gauge Reading	<u>1000 por</u>				
	moke Patterns	Manufact	ner Specific	Jauons	,					
Lighting I	ntensity				n/a					
Other										
1 1		91 102	98 101	83 89	Rear: n/a	n/a	1 1	i i	E	
-++-	+ + + +	+ + +	-"+"+		mla	n /a	- + +	- + + -	$+ + - \mathbf{x}$	
		106 91	92 83	94 81	Center: <u>n/a</u>	n/a				
			81 88	82 75	Front: n/a	n/a			+ + − h	
	+ $+$ $+$ $+$	+ $+$ $+$ $+$	- + +	- + -			- + +	- + + -	+ + - ª	
$\mathbb{P} + + + + + + + + + + + + + + + + + + +$				Sash Opening: n/a $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$						
					Opening:	1/ a				
- + + -	+ $+$ $+$ $+$	+ + +	- + -	- + -			- + +	- + + -	+ + -t	
					Augus as Fulkeus	h) / a l a a : tr	n/a Feet P		<u> </u> n/a	
Supply Average Downflow Velocity: <u>90</u> Feet Per Minute <u>80-120</u> Range					Average Exhaust Velocity: n/a Feet Per Minute n/a Effective Filter Area: n/a Square Feet Range					
					Exhaust Air Volume: n/a Cubic Feet Per Minute n/a					
					Range					
Smoke Airflow Patterns						Work Acc	ess Openir	ng Airflow		
This test insures that airflow is inward along the entire perimeter of the work					Area of Access Opening: <u>n/a</u> Square Feet					
access opening, that airflow within the work area is downward with no dead spots or refluxing, that outside air does not pass on or over the work surface,					Calculated Velocity: <u>n/a</u> Feet Per Minute <u>n/a</u>					
and there is no refluxing or escape of smoke from the biological safety cabinet.					Measured Velocity: n/a Feet Per Minute					
					· · · · · · · · · · · · · · · · · · ·					
Inside Cabinet Meets Specifications					HEPA Filter Leak Test					
Centerline of the work surface, 4 inches ☐ Yes ☐ No ✔ N/A				✓ No leaks above 0.01% □ Leaks Found □ Leaks Repaired						
above the top of the work access opening.					Acceptance: Aerosol penetration shall not exceed 0.01%					
One inch behind window, 6 inches above the top of the work access opening.					Lighting Intensity					
Outside Cabinet					Visible Lighting Intensity: <u>42</u> Foot Candles at work Surface					
Along the entire Perimeter of the work					U.V. Lighting Intensity: <u>n/a</u> uW/cm sqr. at work surface Electrical Safety					
access opening, 1.5 in. from opening. \Box Yes \Box No \checkmark N/A										
If Cliding Window Drosst										
If Sliding Window Present										
Inside Cabinet below the wiper gasket.					Equipment Used					
							and Model	Serial #	Cal Date	
					Aerosal Photomete		A-2EL	9623	12/11	
					Air Velocity Mete		I 8346	97110212	02/12	
Field Service Engineer					Particle Counte	я. A	2400	000100515	09/11	