

NOTE: The following datasheets are for use with the Enhanced Accreditation Program only:



DOWNFLOW VELOCITY TEST NSF/ANSI 49 version (Time allotted: 50 minutes)

CABINET INFORMATION

Mfr:	Model #:	Serial #:			Type: A1 A2 C1 B1 B2			
		MEASUREME	ENT DEVICE I	NFORMATION				
Device:	Mfr:	Model #:		Serial#:	Cal Du	e Date:		
			DATA					
Number of Rows	Number of Columns	Number of Readings	Distance from Walls / Sash:	Grid Spacing Front-to-Back:	Grid Spacing Side-to-Side:	Probe Height Above Sash		
X	=		/					
You must chee	ck one box only: Inf	ormation provide	d from Data	a Plate 🗌 NSI	F 49 minimum rec	uirements		
		pecifications		As-measure	d (from candida	te's data)		
Zones are N/A When Grid is <u>Uniform</u>	Avg. Air Velocity Acceptable Range	Allowable U (Calculated from Min		Average Air Velocity	Individual Po Read Min	-		
Uniform Only								
Zone								
Zone								
Zone								
Zone								
	n row above to report associated with each				the zone number t	o the right of		
	IN	DIVIDUAL D	OWNFLOW	VELOCITY PO	JINT READIN	IGS		
Zone								
Zone								
Zone								
Zone								
Reason for failure	e (if any):							
Corrective action	required:							
	elocity is already at th					st blowers or an		
exhaust damper.	Check the appropriate	corrective action	(s) required to be	lance both inflow	and downflow:			
	blower speed: blower speed /Dampe	Increase er: Increase/Ope	en Decrease		No change			
			Re	sult of this individu	al test only:	Pass Fail		
Candidate:			D	ate:				
Examiner:	Devision 00 Otatus D		D	ate:				



INFLOW VELOCITY TEST, DIM METHOD (Time allotted: 30 minutes)

CABINET INFORMATION

Mfr:	Ifr:Model #:		el #:		Serial #	:	Type: A1 A2 C1 B1 B2		
Devi	evice:Mfr:			MEASUREMENT DEVICE INFORMATIONModel #:Serial#:			Cal Due Date:		
г					DATA				
	Capture Hood Dimensions Length Width		h 	Openings Covered Using Tape Plastic Plates Other: (Check all that apply) Correction Factor (if any)		Instrument Settings			
	Specificatio Average Inflow <u>Volume</u> Acceptable Range			Inflow Velocity		As-measured (from rage Inflow <u>Volume</u>	m candidate's data) Inflow <u>Velocity</u>		

INDIVIDUAL DIM READINGS

Reason for failure (if any):					
Corrective action required:					
Assume downflow velocity is already at the exhaust damper. Check the appropriate co	1		1 110	st blowers c	or an
Supply blower speed: Exhaust blower speed /Damper:	Increase Increase/Open	Decrease Decrease/Close	No change		
		Result of th	is individual test only:	Pass	Fail
Candidate:		Date:			
Examiner:		Date:			



INFLOW VELOCITY TEST, CONSTRICTED ACCESS OPENING METHOD (Time allotted: 45 minutes)

CABINET INFORMATION

Mfr:		Model #:			Serial #:			Ty	pe: Al	A2 C1	B1 B2
			MEASUREM	ENT DE'	VICE IN	FORMA	<u>FION</u>				
Devic	e:	Mfr:	Model #			erial#:		C	Cal Due	Date:	
				DA	<u>ATA</u>						
ſ	Rows			Number of ReadingsDistance From Sides:		Grid Spacing Vertical:			id Spacin orizontal:		
				Information provided from Data Plate NSF 49 minimum						m requirements	
	Work Acc	cess Opening Dir	nensions	Correction Factor (if any)			Constrict	ed Opening	g Dimen	sions	
	Length	Width	Area		(II ully)	Leng	gth	Width	_	Area	
	Calculated	Specificatio		ge		As-mea ages AirV rred in co opening	/olume nstricted			ta) low Veloc	zity
		INDIVIDUAL	CONSTRICT	ED OPEN	NING VE	LOCITY	POINT	READIN	<u>GS</u>		
Reason	n for failure (if a	nv):									
		ired (if any):									
	aust damper. Ch Supply blowe	ocity was already leck the appropri er speed: er speed /Dampe	ate corrective ac Increase	tion(s) red	quired to l ecrease ecrease/C	lose	oth inflov No No		nflow:		
Candic	late:				_ Da	te:				_	
Exami	ner:				Da	.te:				_	



BIOSAFETY CABINET FIELD CERTIFIER ACCREDITATION PRACTICAL EXAM DATA SHEET CALCULATING INFLOW/DOWNFLOW VELOCITY FROM VOLUME – TYPE B2 CABINET (Time allotted: 40 minutes)

CABINET INFORMATION

Mfr:	M	odel #:	;	Serial #:	Туре:	B2		
		<u>MEAS</u>	UREMENT DEV	VICE INFORMATI	<u>ON</u>			
Device	e:Mfr:		Model #:	Serial#:	Cal I	Due Date:		
			<u>D</u>	ATA				
	Measured Total Exh	aust Volume	Measured 1	nflow Volume	Calculated Su	pply Volume		
		CFM		CFM	CFM			
	Downflow Velocity Depth	Area at Measure Width	ment Height Area	Front A Sash Height	ccess Opening Dime Width	nsions Area ft ²		
		inches (Side to Side)	ft ²	inches	inches (Side to Side)	ft ²		
	Formula Used to Calculate Inflow Velocity:			Formula Used to Ca	alculate Downflow V	<u>elocity</u> :		
╠			Specifi	fications				
	Calculat	ed Inflow Veloci	ty	Calculated Downflow VelocityFPM Result: Pass Fail				
	I	FPM Result:	Pass Fail					
I	Inflow Velo	city Acceptable R	ange	Downflow	v Velocity Acceptabl	e Range		
		FPM		-	FPM			
	n for failure (if any):							
Correc	tive action required (if	any):						
	Supply blower speed Exhaust blower spee			ecrease	No change No change			
Candid	late:				sult of this individual	2		
Exami	ner:			Date:				



BIOSAFETY CABINET FIELD CERTIFIER ACCREDITATION PRACTICAL EXAM DATA SHEET HEPA FILTER LEAK TEST - TYPE A CABINET (Time allotted: 40 minutes)

CABINET INFORMATION

fr:Model #:		#:Se	erial #:	Type: A1 A2 C1 B1 B		
		MEASUREMENT DEV	ICE INFORMATION			
erosol Photom	eter: Mfr:	Model	#:	Serial #/Cal Due Date:		
erosol Generat	or: Mfr:	Model	#:	Serial #/Cal Due Date:		
		DA	<u>ГА</u>			
	ed Air Volume (CFM)	Number of Laskin Nozzles Requested to Use	Theoretical Calculated Upstream Concentration	Aerosol Generator Pressure Oil used / Gauge Setting		
	asured Upstream centration	Min. Required Upstream Challenge	Sustained Penetration (Leak) Not to Exceed			
LEAK LOCATIONS Check One: Supply (Downflow) Filter Exhaust Filter Deals						
Che						
Che		ust Filter		Right		

Corrective action required (if any):

	Result of this individual test only:	Pass	Fail
Candidate:	Date:		
Examiner:	Date:		



EXHAUST HEPA FILTER LEAK TEST – TYPE B CABINET (Time allotted: 25 minutes)

CABINET INFORMATION

Mfr:	Mod	el #:S	Serial #:	Type: A1 A2 C1 B1 B2			
		MEASUREMENT DEV	ICE INFORMATION				
Aerosol Photometer:	Mfr:	Mode	el #:	Serial #/Cal Due Date:			
Aerosol Generator:	Mfr:	Mode	el #:	Serial #/Cal Due Date:			
		DA	<u>ATA</u>				
Cabinet/Filter Volum (CFM)	e	Number of Laskin Nozzles Used	Theoretical Calculated Upstream Concentration	Aerosol Generator Pressure Oil used / Gauge Setting			
Min. Required Challen		Sustained Penetration (Leak) Not to Exceed	netration (Leak) Measured				
Description of P		Methodology:					
	any):	y):					
			Result of t	his individual test only: Pass Fail			
Examiner:		atus: Draft: Poloaso Dato: - Printed on	Date:				



BIOSAFETY CABINET FIELD CERTIFIER ACCREDITATION PRACTICAL EXAM DATA SHEET VIBRATION TEST (Time allotted: 15 minutes)

CABINET INFORMATION

Mfi		_Model #:	Serial	#:	Type: A1 A2 C1 B1 B							
		MEA	SUREMENT DEVICE	INFORMAT	TION							
Vib	oration Analyzer: Mfr	:	Model #:		Serial #/	Cal Due Date:						
	Meter reads in whic Choose		Analyzer Funct Choose C			nent is in center of which the following?						
	 Inches Mil Inches Micro Inches Other: 	MetersCentimetersMillimeters	RMS Peak-to-Peak		 Work Tray/Surface Work Area including intake grills. Other: 							
	<u>DATA</u>											
			Specification	<u>15</u>								
	Side-to-Side Measurement	<u>Probe Loc</u> Front-to-Back Measurement	Placement	Placement ont-to-Center	Maximum	n Allowable Vibration						
						Inches RMS						
	Formula for Con As-Measured Data 1		<u>As-Measured Data Prior to Conversion</u> Gross Vibration Level: Background Vibration Net Vibration Level:									
				Fina	al Data							
			Gross Vibration Level		nd Vibration evel	Net Vibration Level						
			Inches RMS	Inch	es RMS	Inches RMS						
Rea	uson for failure (if any)											
Cor	rective action required	•										
			Result of this in	ndividual test o	only:	Pass Fail N/A						
Car	ndidate:			Date:								
Exa	aminer:			Date:								



BIOSAFETY CABINET FIELD CERTIFIER ACCREDITATION PRACTICAL EXAM DATA SHEET LIGHTING INTENSITY TEST (Time allotted: 15 minutes)

CABINET INFORMATION

fr:	Model #:Type: A1 A2 C1 B1						
		MEASUREMENT DEV	VICE INFORMATION				
ght Meter: N	1fr:	Model #:	Serial #/Cal Due Date:				
	s in which of the Choose One:	Other: 🗌 Work Tra	o back Centerline is Choose Or y Sash/Glass				
<u>Specifications</u> Probe Location							
		grid are taken no closer than					
	inside edge of num Allowable I (Based on Ol	ight Intensity Average	Maximum Allowable Background Light Intensity Average				
Formula for o	conversion to foo	t-candles or lux (if other units a	re used):				
		As-Meas	ured Data				
Meter Se	cale Range	Number of Readings	Average Light Intensity	Avg. Background Intensity			

INDIVIDUAL LIGHT INTENSITY POINT READINGS

Cabinet Off									
Cabinet On									
Reason for failure	e (if any):								
Corrective action	required:								
			Result of the	nis individual tes	st only:	Р	ass	Fail	N/A
Candidate:				Date:					
Examiner:				Date:					
Document #: 20424	; Revision: 02; Sta	tus: Draft; Release	e Date: ; Printed o	n: 17 Sep 2019					

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BIOSAFETY CABINET FIELD CERTIFIER ACCREDITATION PRACTICAL EXAM DATA SHEET NOISE LEVEL TEST (Time allotted: 15 minutes)

CABINET INFORMATION

Mfr:_	Mod	el #:	Serial #:T	ype: A1 A2 C1 B1 B2
		MEASUREMENT DE	VICE INFORMATION	
Soun	d Meter: Mfr:	Model #:	Serial #/Cal I	Due Date:
The proper weighting to use for this test is?				
		<u>D</u>	ATA	
			cations	
	Side-to-Side Measure		-Center Abov	e Work Surface
		As-Measured Data	Prior to Correction	
	Meter Scale Range	Gross Noise Level	Background Noise Level	Correction Factor to Apply (if any)
		Specifications		Final Data
	<u>Maximum Allowable</u> <u>Noise Level</u>	<u>Maximum Allowable</u> <u>Background Level Prior to</u> <u>Correction</u>	A Correction Factor is Required When the Difference Between the Gross Noise Level and Background Noise Level is:	<u>Net Noise Level</u>
			<u><</u>	
Rease	on for failure (if any):			
Corre	ective action required:			
		R	esult of this individual test only:	Pass Fail N/A
Cand	lidate:			
	niner:			



SITE INSTALLATION ASSESSMENT TEST (Time allotted: 40 minutes)

CABINET INFORMATION

Mfr:		Model #:	s	Serial #:		Type: A1 A2 C1 B1 B2		
		<u>M</u>	EASUREMENT DEV	ICE INFORMAT	TION			
Device:		Reads: CFM	Mfr:	Model #:		Serial#/Cal Due Date:		
,			DA	<u>.TA</u>				
<u>Airflow</u> <u>Alarm</u>	Total Exhaust CFM	Loss to Alarm. % Spec/Observed	Loss to Alarm. CFM Spec/Observed	Audible Exhaust Alarm Seconds. Spec./Observed	Visual Exhaus Alarm Seconds Spec./Observe	s. d Pass/Fail		
Method ı		/ er exhaust:	/					
Interloci Reason re	<u>ks</u> equired for	Pass/Fail						
<u>Exhaust</u> <u>Perform</u>		Canopy (Thimble) o Hard Ducted			y (Thimble) Only of Visible Smok			
Sash Ala	. <u>rm</u>	Specified Sash Height for BSC	Alarm Activation: Min/Max Height(s) Required by NSF / Height(s) Observed	Audible Sash Alarm(s) Operational?	Visual Sash Alarm(s) Operational?	Pass/Fail		
		,,	/	<u>YES / NO</u>	<u>YES / NC</u>	<u>)</u>		
				Re	sult of this indivi	idual test only: Pass Fai		
Candidate: _				Date:				
Examiner:				Date:				



AIRFLOW SMOKE PATTERN TEST (Time allotted: 20 minutes)

CABINET INFORMATION

Mfr:	Model #:	Serial #:	_Type: A1	A2	C1	B1	B2
	M	IEASUREMENT DEVICE INFORMATION					
Source of Visible	Cold "Smoke":	Chemical Composition:					

DATA

Downflow Test:	D Pass	□ Fail, Reason:
View Screen Retention Test:	□ Pass	□ Fail, Reason:
Work Opening Edge Retention Test:	D Pass	□ Fail, Reason:
Sash Seal Test:	□ Pass	□ Fail, Reason:

Corrective action required:

Result of this individual test only: Pass Fail

Candidate:	Date:
Examiner:	Date:



<u>CABINET DECONTAMINTION</u> (Time allotted: 90 minutes)

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Mfr:	Model #:	Serial #:	Type: A1 A2 C1 B1 B2					
Decontamination Equipment								
Manufacturer:	Type of equipment: Manufacturer: Model #: Serial #: Agent or Chemical Used: Serial #: Serial #:							
l. Safety	y							
List Personnel P	Protective equipment including	fit test results within 1 year:						
Signage (Verbia	ge requirements and Location	<u>):</u>						
Issues to conside	er prior to performing decon:							
Describe emerge	Describe emergency protocol:							
і І.	Bi	osafety Cabinet Information						
Mfr: MN: Type: SN: Cabinet Dimensions - external/internal (circle one) H: W: L: Vol: Decon agent calculation:								
III. Condition	ning							
Actual Temp:	Actual RH %:	Required Temp:	Required RH%:					
V.		Decontamination Procedure						
List materials used to seal cabinet:								
Describe procedure for conditioning:								
Describe process for performing the decon, including equipment location and any external equipment connections:								
Describe how decontaminant is monitored during the process:								
Describe process for neutralization:								
Minimum expos	Minimum exposure time: Neutralization time:							



<u>CABINET DECONTAMINTION</u> (Time allotted: 90 minutes)

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7. <u>Post-Decon / Cleanup</u>

As-Left decon agent concentration acceptable concentration limit: ppm

Describe the procedure for performing the cleanup, including disposal of materials:

VI. <u>Miscellaneous</u>

Describe validation procedure and criteria:

Describe any differences in procedure if the cabinet blower is inoperable:

Comments:

Result of this individual test only: Pass Fail

Candidate:

Examiner:

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Date:

Date:

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