

Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246



Report: TAB Report
Function: Test, Adjust, & Balance
Date: 04/03/2025
Completed By: National TAB

PROJECT

Smuckers Fume Hood Testing (Lexington, KY) 2025

767 Winchester Road

Lexington, KY 40505

Client

J.M. Smuckers

National TAB

Project: Smuckers Fume Hood Testing (Lexington, KY) 2025

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J.M. Smuckers

TAB Summary

March 2025

Scope of work includes verifying flow at (3) exhaust fans serving 2 lab hoods, 4 welding hood arms. All are within 10% of last years results. TAB Report also includes an air change calculation for the lab associated with the hoods. The room dimensions are approx; 25 feet wide x 50 feet long x 8 foot-tall ceiling.

Exhaust air in this room (Q) : 3520cfm

$$ACH = \frac{Q \times 60}{(LG \times WD \times HT)}$$

ACH =21.12

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Project: Smuckers Fume Hood Testing (Lexington, KY) 2025

System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	EXISTING	EXISTING
Model Num	EXISTING	EXISTING

Test Data		
	Design	Actual
CFM	3420	3520

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FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF1/

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	HOOD	15.55	1710	11.25	158		1777	103.9
EGRD2	HOOD	15.55	1710	11.25	155		1743	101.9
Total			3420		313	0	3520	102.92%

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System/Unit: FAN - Exhaust



Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	EXISTING	EXISTING
Model Num	EXISTING	EXISTING

Test Data		
	Design	Actual
CFM	1095	1109

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Project:Smuckers Fume Hood Testing (Lexington, KY) 2025

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF2/

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	EX ARM	6	550	0.2			548	99.6
EGRD2	EX ARM	6	545	0.2			561	102.9
Total			1095		0	0	1109	101.28%

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Project: Smuckers Fume Hood Testing (Lexington, KY) 2025

System/Unit: FAN - Exhaust



Asset: EF3

AREA:

Unit Data		
	Design	Actual
MFG	EXISTING	EXISTING
Model Num	EXISTING	EXISTING

Test Data		
	Design	Actual
CFM	1661	1703

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Project:Smuckers Fume Hood Testing (Lexington, KY) 2025

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF3/

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	EX ARM	6	831	0.2			898	108.1
EGRD2	EX ARM	6	830	0.2			805	97.0
Total			1661		0	0	1703	102.53%