

ASHRAE Technical FAQ

ID 69

Question How are laboratory fume hoods certified?

ASHRAE does not certify or test products; however, ASHRAE does write and publish a standard test procedure for testing the performance of fume hoods - [ASHRAE Standard 110-2016](#), "Method of Testing Performance of Laboratory Fume Hoods."

Answer Typically the owner establishes a program to inspect and certify their laboratory fume hoods. The certification program may be based on OSHA regulations ([Standard 29 CFR 1910.1450](#)) and the AIHA Laboratory Ventilation ([ANSI/AIHA Standard Z9.5](#)). Such a program may include the allowable average and maximum exposure levels, allowable fume hood face velocities, and required speed of response for variable volume operations. The owner should also determine the agency responsible for conducting the testing; this may be an in-house department or an outside agency. Since these hoods are the primary control method used to prevent worker exposure in the laboratory, it is important that all hoods are certified to ensure that each hood is performing properly.

The standard may be purchased and/or downloaded on-line at our website, www.ashrae.org or by calling 1-800-527-4723 in the USA and Canada or 1-404-636-8400 worldwide.

ASHRAE Pubs [2015 ASHRAE Handbook - HVAC Applications](#), Chapter [A16](#)
[ASHRAE Standard 110-2016](#)

Topic References Fume Hoods, Certification

	Cognizant ASHRAE Committees	Refer to Organization
1	TC 9.10	SEFA
2		OSHA
3		AIHA
4		
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