



AUGUSTA
UNIVERSITY

Annual Chemical Fume Hood Certification and Assessment

Industrial Hygiene and Safety
(IHS) Office



Principal Investigator: _____
Department: _____ Location: _____

Hood #: _____ Hood Width: 6'
Date Last Assessed: _____

Face Velocity Test Results:

The face velocity test was performed by dividing the opening of the chemical fume hood into equal area grids of approximately 1 square foot at a sash height of 18 inches, and measuring the velocity at the center of each grid. Using these measurements, an average face velocity was calculated.

Face Velocity in Feet Per Minute (fpm)		
0	0	0
0	0	0

_____ : Average Face Velocity = _____ fpm: University System of Georgia (USG) Design Criteria for laboratories requires an average face velocity of 80-120 fpm to pass.

Cross Draft Velocity Test Results:

_____ : Potentially interfering cross draft velocity should not exceed 50 fpm, and ideally is less than 30 fpm.

Visual Challenge Test Results:

_____ : Smoke generated in the chemical fume hood and around opening must be completely contained.

Performance and Safety Assessment

- | | |
|--|---|
| _____ 1. Glass sash kept closed when not in use | _____ 7. All items inset 6" from glass sash opening |
| _____ 2. Loose paper towels or KimWipes not left in hood | _____ 8. Baffle adjustment works properly |
| _____ 3. Low rear baffle opening is unblocked by items | _____ 9. Sash moves easily and does not drift |
| _____ 4. Chemical residue is not on hood surfaces | _____ 10. Low airflow alarm works properly |
| _____ 5. Hood storage is minimal | _____ 11. Lighting is adequate (≥60 foot candles) |
| _____ 6. Large Equipment is raised 1" - 2" off base | _____ 12. Hood outlet properly wired and grounded |
| | _____ 13. Noise level acceptable (≤63 dBA) |
| | _____ 14. Interior side panels secured |

Comments: _____

_____ **Passed and Certified:** Chemical fume hood meets USG Design Criteria for laboratories.
_____ **Failed:** Chemical fume hood does not meet USG Design Criteria and is considered unsafe for use.
Do Not Use Hood until it is repaired and rechecked for proper operation by the IHS Office.

Date of Assessment: _____ Assessment Performed by: _____