



Chemical Fume Hood/ASHRAE-110 Testing

TSS offers comprehensive testing, certification and maintenance of chemical fume hoods. All testing is performed in accordance with established TSS standard operation procedures [SOPs], which are updated to remain compliant with state, federal and international safety guidelines as well as TSS' own ISO 9001 certified quality system.

Chemical fume hoods are tested in accordance with OSHA, AIHA/ANSI, SEFA and ASHRAE.

Primary tests performed include

- Inflow velocity profiling – assures that a safe inflow is maintained to protect the operator from the product
- Airflow smoke testing – provides a qualitative analysis of air capture at the face of the unit, thus demonstrating the unit's effectiveness

Optional tests include

- Calibration of airflow monitors
- ANSI/ASHRAE 110 testing – provides quantitative data used to evaluate the containment performance of fume hoods and, in addition to primary testing, includes the following tests
- Local and large volume smoke visualization testing – verifies acceptable capture performance for the unit
- Cross-draft testing – measures the amount of horizontal and vertical cross - current activity at the face of the unit
- VAV (variable air-volume) testing – determines the optimal fume hood sash positions and acceptable stabilization time for the unit
- Swipe sampling/chemical sampling

Contact us at 800.877.7742 to discuss your specific needs and to schedule services.

For additional information, please visit us online at www.techsafety.com.