

LABORATORY SYSTEMS GROUP

SERVICE MAINTENANCE AND
TESTING OF FUME CUPBOARDS

SafetySMART



LABORATORY SYSTEMS GROUP

Servicing, Testing and Maintenance

SERVICE MAINTENANCE

SafetySMART Pty. Ltd., is the service division of Laboratory Systems Group based in Kilsyth, Victoria. At SafetySMART we can offer a wide range of service, maintenance and regular testing for fume cupboards. All services and maintenance are carried out in accordance with the current Australian Standard AS2243.8 and AS2243.9.

The following maintenance and testing schedule should be used as a guide for minimum requirements only. If your fume cupboard(s) has more continual use, you may require more frequent testing, service or maintenance.

SERVICING AND TESTING OF FUME CUPBOARDS

The Australian Standard AS/NZS 2243.8 requires that fume cupboards, "from cupboard to discharge stack, shall be subject to periodic inspection and maintenance". The Standard requires that, on a weekly basis, "air cleaning devices, if installed, shall be inspected and maintained in accordance with maintenance manuals, and trapped contaminants safely disposed."

MINOR SERVICE (done at six months)

At a minor service, SafetySMART does the following:

- Perform a smoke test in accordance with Appendix A of the Standard.
- Perform a face velocity test in accordance with Appendix B of the Standard.
- Check that the scrubber and wash-down facility, if fitted, is functioning efficiently.
- If fitted, inspect the fire damper and the release mechanism and replace fusible link, if required.
- Check that any air-cleaning device, if fitted, is operating efficiently and maintain if required.
- Check the visual condition of the thermal detector and sprinkler heads, if fitted.
- Remove baffles where possible and clean both the baffles and the rear of the fume cupboard chamber.



MAJOR SERVICE (done at twelve months)

At a major service, SafetySMART does all of the items in a minor service as well as the following:

- Wash entire interior surface of the chamber including the aerofoil, if fitted, with dilute detergent solution and repair defects as necessary.
- Check condition of the services to the cupboard and ensure that all are properly identified and operational.
- Inspect and maintain fans, their motors, drives (including belts) and bearings. Lubricate where appropriate.
- Check stability and condition of the discharge stack
- Inspect condition of the exhaust ducting, where possible, particularly the joints and ensure drain points are clear.
- Check make-up air balance.
- Check condition and satisfactory operation of the fume cupboard control system.
- Check operation of the emergency isolator and isolation of services.
- Check operation of the automatic isolator by providing inadequate airflow conditions to the fume cupboard.
- The system shall be tested for overall compliance with the Standard.
- Attach a self-adhesive label to the fume cupboard showing the inspection date, name of inspector and report number, overall test result (pass or fail) and the date the next inspection is due.

Testing of the fume cupboard via smoke test and face velocity test, is conducted at both services, or can be done separately.



How do I organise a service call or test of my fume cupboard?

All it takes is a phone call to our SafetySMART Customer Service Centre and we can organise a quotation within 24 hours.

We can offer several different pricing structures:-

- One for service & maintenance as per AS 2243.8.2006 or AS 2243.9.2009
- One for testing only
- Assessment to AS 2243.8.2006 or AS2243.9.2009 Appendix checklist and report form
- Simply call 03 8720 9000 or email safetysmart@labsystemsgroup.com.au

SafetySMART – Our Commitment to Customer Service

We at SafetySMART can offer a wide range of customised services to suit your individual business requirements. Testing & evaluation of fume cupboards to Australian O.H.S. Standards. (N.A.T.A. Accreditation No. 4043)

- Full maintenance & service contracts.
- Upgrading of existing fume cupboards.
- Six (6) monthly or twelve monthly (12) annual service or as required.
- Testing only – Smoke & velocity tests
- Supply of ducted or ductless fume cupboards.
- Fitting out new laboratories, incorporating benching, sinks and laboratory tap ware.

Your Responsibilities

As Laboratory Managers or Co-ordinators, you are ultimately responsible for all activities that take place within the laboratory/classroom and for the equipment in these areas.

Including:-

- Risk assessment for experiments and activities performed in the laboratory.
- Maintenance & servicing of all equipment in the laboratory.
- Workplace safety for all staff, students and personnel in your laboratory.
- Check that the fume cupboard is clean and free from dangerous contamination.
- Check that fire extinguisher is at hand especially if using flammable solvents.

What is N.A.T.A.?

N.A.T.A. is the National Association of Testing Authorities. N.A.T.A. provides stringent guidelines for testing authorities to follow, which includes testing methodology, equipment calibration and report validation.

We have been Members of N.A.T.A. since 1994.





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