

TESTING SERVICES AND CERTIFICATION

Cleanroom Certification

Our Engineers are fully equipped and trained to perform clean room and clean room equipment certification, ranging from the standard particle counting analysis in accordance with ISO14644:1999, to the in situ leak testing of the HEPA filters and air entrainment testing of the whole facility. We can also perform airflow checks and airflow pattern analysis in addition to noise studies and lighting level testing.

LEV Testing

LEV Testing is a legal requirement on all employers, to test and check the local exhaust ventilation systems are working to the required levels and that they have not deteriorated from the last test performed, which must be within 13 months of the current test.

MSC. Testing

The Microbiological Safety Cabinet requires numerous performance checks to ensure its continued level of containment. These include the usual airflow tests for laminar flow within the cabinets, in rush at the sash and exhaust airflows, the in-situ leak testing of all HEPA filters within the cabinet, and the particle analysis of the air quality within the cabinet. The containment effectiveness is measured using the Ki-Discus test apparatus, which measures the contamination from within the cabinet to the operator outside.

Consultancy

We have many years of experience in the design and certification of a wide variety of specialized systems from Clean rooms through to specialized Nuclear applications, to performing "safe change" filter changes, and the design of specialized filters and systems. This knowledge based can be tapped into through our consultants, who operate independently of Airclean Ltd.

Indoor Air Quality Testing

Airclean carry out Workplace and Domestic Indoor Air Quality Testing in Offices, Care Homes, Hospitals, Public Spaces and in Factories to identify high levels of common pollutants that can be harmful to occupants health. Pollutant Testing commonly includes Particulate Matter (PM10 and PM 2.5), Nitrogen Dioxide, VOCs, Carbon Dioxide and Ozone. Other pollutant testing is available upon request.

Personal Monitoring

Personal Air Monitoring should be carried out as part of required legislation for the Control Of Substances Hazardous to Health (COSHH). Where known hazardous substances are being used exposure limits to individuals must be measured to ensure they are not being exceeded.

Available Equipment

Particle Analysis
DOP Photometers
Smoke Generators
Pitot Tubes
Manometers
Vane anemometers
Hot Wire Anemometers

Ki Discuss
Lux Meter
Noise Level Meters
Temperature measurement
Humidity Measurement
Infra Red temperature Measurement
Temperature / Humidity loggers

