

Asbestos Testing

Aggressive cancer mesothelioma is predominantly caused by asbestos exposure. Australia has one of the highest incidence rates of mesothelioma in the world.



Asbestos & Associated Risks

Asbestos is made up of groups of mineral fibres naturally present in the earth. Known for its strength, durability, and resistance to fire and water, asbestos was used commonly in various construction applications for the greater part of the 20th century. Asbestos is a thermal and acoustic insulator and was used to make combustible objects flame retardant. Asbestos fibres are flexible and elastic, long lasting, and can be spun or woven.

The risk posed by asbestos depends on the type of product and its state of degradation. Microscopic asbestos fibres are released into the air and may be inhalable lodging themselves in the lungs. The biologically persistent indestructible nature of these fibres makes them difficult or impossible to expel.

Asbestos is classified as hazardous to human health and exposure is linked to higher rates of mesothelioma (pleural cancer) and other incurable asbestos-related diseases such as asbestosis and lung cancer. The most difficult aspect is that symptoms typically do not appear for long periods of time after exposure (commonly 20 years or more) making asbestos-related diseases one of the leading occupational causes of death.

Asbestos Identification

Eurofins | Environment Testing offers solutions for analysis of asbestos in:

- Soil, Dust & Swabs – Semi-quantitative (0.01% w/w)
- Building Material – Qualitative
- Soil as per NEPM and WA DoH Guidelines – Semi-quantitative (0.001% w/w)
- Air (0.01 fibre/mL)

Identification of asbestos in building materials such as fibre cements, vermiculite, insulation materials and vinyl tiles; dust; swabs; and soil; using Polarised Light Microscopy (PLM) and Dispersion Staining (DS) techniques by means of the requisite refractive index oils according to the Australian Standard™ AS4964-2004 method.

Raw Wittenoom blue asbestos



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Asbestos Laboratories

The Eurofins | Environment Testing network of laboratories includes multiple state-of-the-art NATA/IANZ accredited laboratories across Australia and New Zealand that provide a range of accredited services to support asbestos testing requirements.

Mobile Laboratory

Our state-of-the-art mobile laboratory is NATA accredited for asbestos analysis in air (including volume air measurement), building materials and dust samples.

This one-of-a-kind mobile laboratory is available for hire and can be mobilised to your site with qualified analysts to provide real time results for your project. Bookings are essential.

- Respirable Fibre Counting
- On-Site Asbestos Air Monitoring
- Clearance Inspections
- Sampling and Analysis of Building Products
- Analysis of Soil Samples



Services

Asbestos Fibre Count – Air Filters

- Amount of Fibres (F/fields)
- Concentration of Fibres (F/mL)

Analysis of asbestos fibres in air as per the Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres [NOHSC: 3003 (2005)].

Asbestos Volume Air Measurement Training

Our asbestos experts provide Asbestos Volume Air Measurement training in accordance with the upcoming NATA Life Sciences - Annex, Asbestos sampling and testing. This is a service for Asbestos Testing customers where theoretical and practical aspects of the Specific Accreditation Criteria are presented.

Calibration Check of Asbestos Air-Monitoring Equipment

We perform calibration check of asbestos air-monitoring pumps and flowmeters and provide calibration certificates for a nominal charge.



Accreditation

National Occupational Health and Safety Commission Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres NOHSC:3003 and in-house method LTM-ASB-8010

Australian Standard AS 4964 – 2004: Method for the Qualitative Identification of Asbestos in Bulk Samples and in-house Method LTM-ASB-8020



Environment Testing

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