Health Problems Associated with Indoor Moulds

- Respiratory symptoms such as coughing and wheezing
- Respiratory infections such as aspergillosis
- Allergic diseases, including allergic asthma and bronchitis
- Non-inflammatory, unspecific symptoms, e.g., eye and skin irritation, fatigue, headache, nausea, and vomiting.

Common Indoor Moulds & Their Hazard Classes

- *Cladosporium cladosporioides* (hazard class B)
- *Cladosporium sphaerospermum* (hazard class C)
- *Ulocladium botrytis* (hazard class C)
- *Chaetomium globosum* (hazard class C)
- *Aspergillus fumigatus* (hazard class A)
- *Alternaria* spp (hazard class B)
- *Fusarium* spp (hazard class A)
- *Stachybotrys chartarum* (hazard class A)
- *Trichoderma* spp (hazard class B)
- *Scopulariopsis* spp (hazard class B)
- *Penicillium chrysogenum* (hazard class B)
- *Penicillium aurantiogriseum* (hazard class B)
- *Mucor* spp (hazard class A)
- *Paecilomyces* spp (hazard class B)
- *Acremonium* spp (hazard class B)
- *Scopulariopsis* spp (hazard class B)
- *Aspergillus flavus* (hazard class A)
- *Aureobasidium pullulans* (hazard class B)
- *Aspergillus flavus* (hazard class C)
- *Wallemia sebi* (hazard class C).

We Can Help Analyse (by culture and non-culture methods) for Mould on:

- Air Samples (viable and non-viable)
- Bulk Samples (drywall, wood, dust, paper, etc)
- Surface Samples (swabs, wipes, tapes, etc).

Moulds Most Frequently Encountered Indoors

Moulds most frequently found indoors are *Penicillium* (68%), *Aspergillus* (56%), *Chaetomium* (22%), *Ulocladium* (21%), *Stachybotrys* (19%), *Cladosporium* (15%), *Acremonium* (14%), *Mucor* (14%), *Paecilomyces* (10%), *Alternaria* (8%), *Verticillium* (8%), and *Trichoderma* (7%). These moulds are all known to cause different types of inhalation allergy.

Hazard classes of indoor moulds

In some countries indoor moulds have been grouped into 3 hazard classes based on associated health risk.

- Hazard Class A: fungi or their metabolic products that are highly hazardous to health. These fungi or metabolites should not be present in occupied dwellings. Presence of these fungi in occupied building requires immediate attention.
- Hazard class B: fungi which may cause allergic reactions to occupants if present indoors over a long period.
- Hazard Class C: fungi not known to be a hazard to health. Growth of these fungi indoors, however, may cause economic damage and therefore should not be allowed.