

FACT SHEET



Indoor Air Quality

What is Indoor Air Quality?

Indoor air quality (IAQ) refers to the air quality within and around buildings and structures. IAQ can be affected by various types of gases, particles and contaminants in the air.

Determination of IAQ involves the collection of air samples at various areas within and around the building, testing and monitoring the samples.

Why Test For Indoor Air Quality?

According to the *Guidelines For Good Indoor Air Quality In Office Premises (1996 edition)* by the Institute of Environmental Epidemiology, it states that “The indoor air quality of air-conditioned offices is a subject of public health importance because we spend a substantial amount of time in these premises. Good indoor air quality can lead to improved productivity at the workplace. On the other had, poor indoor air quality will cause productivity to drop because of comfort problems, ill health and sickness-absenteeism.” Little has changed from 1996 to today.

That is why, the Building and Construction Authority (BCA), supported by the National Environmental Agency; has developed the BCA Green Mark to evaluate buildings for its environmental impact and performance. Indoor Environment Quality is one of the key area in the assessment criteria.

Source:

http://www.bca.gov.sg/greenmark/others/NEA_Office_IAQ_Guidelines.pdf
http://www.bca.gov.sg/greenmark/green_mark_criteria.html

Indoor Air Quality

How We Can Help

Whether to ensure a safe and comfortable working environment for your staff, or to meet the BCA Green Mark assessment criteria; at CAST Laboratories, we are able to develop specialised and customised testing services to meet your needs.

We are accredited by SAC-SINGLAS, in accordance with the recognised International Standard ISO/IEC 17025. In addition, our in-house test parameters are based on the Singapore Standard SS 554:2009, Code of Practice for Indoor Air Quality for Air Conditioned Buildings.

Our expertise include the following tests:

- Total Viable Bacteria Count
- Total Viable Mould and Yeast Count
- Carbon Dioxide
- Carbon Monoxide
- Operative Temperature
- Humidity
- Formaldehyde
- Total Volatile Organic Compounds
- Respirable Suspended particles
- Air Velocity
- Ozone
- IAQ Sampling

Our Track Record

Over the years, we have achieved excellent recognition from the customers and industries we serve. Some of our clients and projects include:

- Corrupt Practices Investigation Bureau (CPIB, Lengkok Bahru)
- Istana
- Nanyang Technology University (South Spine Building)
- Singapore Changi Airport (Terminal 3)
- Singapore Polytechnic (Information & Digital Technology Services Building)
- Singapore Post (Headquarters)
- Temasek Polytechnic (Block 9)
- The Aries, Singapore Science Park II

Our Contact – Environmental & Chemical Testing

For more information on our Environmental or other Chemical Tests, please contact:

Mr Gary Ng, Business Manager

DID: (65) 6848 3047

Mobile: (65) 9062 2093

Email: gary.ng@castlab.com.sg