

For all existing hotels, shopping mall, educational, health and government buildings, buildings which are used to provide health care, mosques and worship buildings, theatres, cinemas or any other existing buildings to be determined by DM later, suitable ventilation for the building occupants and ensure the air quality in accordance with the technical guidelines issued by Dubai Municipality.

The buildings which optionally apply the following procedures will be awarded indoor air quality certificate by Dubai municipality.

**A.** Indoor air testing for the contaminants listed in Table 401.7 (1) must be carried out to ensure the air quality in a building is suitable for occupation, the maximum limit for indoor air contaminants included in Table 401.7 (1) must not be exceeded.

**Table 102.02 (1)**

Sampling Schedule	Type of Samples	Maximum Acceptable	Sampling Duration
Initial test completed by 31 December 2011.  Further testing within 5 years of last compliant test.	Formaldehyde	< 0.08 ppm	8- hour continuous monitoring (8 hour time-weighted average [TWA])
	Total Volatile Organic Compound (TVOC)	< 300 micrograms/ m <sup>3</sup>	
	Respirable Dust (<10 microns)	< 150 micrograms/ m <sup>3</sup>	
	Ozone	0.06 ppm (120 micrograms/ m <sup>3</sup> )	
	Carbon Dioxide	800 ppm (1440 microgram/ m <sup>3</sup> )	
	Carbon Monoxide	9 ppm (10 micrograms/ m <sup>3</sup> )	
	Bacteria	500 CFU/ m <sup>3</sup> (Algar plate)	
	Fungi	500 CFU/ m <sup>3</sup> (Algar plate)	

**B.** Air Quality testing must be carried out by an air testing company or laboratory accredited by Dubai Municipality (DM) and the Compliant result must be submitted to DM.

**C.** Air quality testing equipment must have initial and periodical calibration certificates as per manufacturer requirement from an external calibration facility accredited by DM or at least annual calibration certificate. The initial and periodical calibration certificates must be saved in a special register to be checked by DM in order to ensure the accuracy of the readings as condition of renewal the indoor air quality certificate.

