

4.0 TEST RESULTS:

INDOOR AIR QUALITY ASSESSMENT (IAQ) AT BLOCK 1610 [REDACTED] SINGAPORE 683161 ON 21 JULY 2023

S/N	Sampling Location	Air Temperature (°C)	RH (%)	Air Movement (m/s)	CO ₂ (ppm)	CO (ppm)	HCHO (ppm)	TVOCs (ppb)	RSP (ug/m ³)	PM 2.5 (ug/m ³)	Total Bacterial Counts (CFU/m ³)
Ref.	Outdoor	29.7	76.0	0.17	340	< 0.1	< 0.01	70	20.7	13.9	60
1.	Living Room	29.0	81.7	0.03	368	< 0.1	< 0.01	70	38.1	25.1	110
2.	Kitchen	29.1	81.6	0.07	359	< 0.1	< 0.01	70	31.2	24.9	50
3.	Master Bedroom	29.1	81.5	0.05	354	< 0.1	< 0.01	60	29.8	23.1	20
Singapore IAQ Standard (SS 554:2016+A1:2021)		23-25	< 65* < 70#	< 0.3	700 + outdoor (1040)	9	0.08	1000	50	37.5	1000
Measurement Uncertainty		± 2.5%	± 2.3%	± 5.9%	± 3.5%	± 1.8%	± 8.2%	± 1.9%	± 3.7%	± 3.0%	Log ₁₀ X ± 0.071 X= number of counts

Remarks: a) Outdoor CO₂ = 340 ppm; * - Building design to SS553/SS554; # - Other buildings

b) Decision rule has been communicated and agreed with the customer with reference to SS554:2016+A1:2021 Standard.

S/N	Sampling Location	HCHO (ppm)	TVOCs (ppb)
4.	Inside Master Bedroom Wardrobe	< 0.01	60
5.	Inside Kitchen Cabinet	< 0.01	60
Singapore IAQ Standard (SS 554:2016+A1:2021)		0.08	1000
Measurement Uncertainty		± 8.2%	± 1.9%



28 July 2023