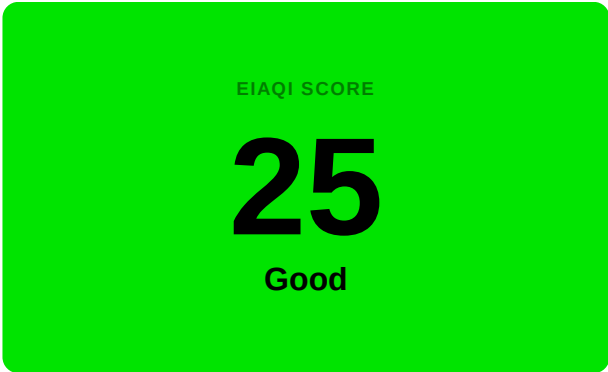


REPORT INFORMATION

BUILDING	inBiot Office
ADDRESS	Pamplona, Spain
TYPE	office
DM PERMIT	-
REPORT TYPE	Daily
PERIOD	12 Jul 2026 (GST)
METHOD	Weighted Summation (Table 4)
GENERATED	13 Jul 2026, 23:52 GST

EIAQI RESULT



PARAMETER SUB-INDEX OVERVIEW

PM2.5	PM10	CO2	CO	VOCs	HCHO	NO2	O3	Temp	RH
25	6	35	3	25	8	9	37	130	11

Each sub-index is computed from the period average per Tables 2 & 3 of DM-HSD-GU141-IAQI2.

EXECUTIVE SUMMARY

inBiot Office recorded a good EIAQI score of 25 during the daily period (12 Jul 2026 (GST)), based on 148 readings across 1 zone. The building is within the compliance threshold (EIAQI <= 100). Top recommended action: Temperature in inBiot Office reached Unhealthy for Sensitive Groups levels (avg 29.2 deg C, 106 exceedances).

PARAMETER BREAKDOWN

PARAMETER	AVG UNIT CONC.	GOOD RANGE	SUB-IDX	CATEGORY	WT	WTD	STATUS	EXCEED.
PM2.5	5.91 ug/m3	0 - 12	25	Good	0.25	6.25	PASS	0
PM10	5.91 ug/m3	0 - 50	6	Good	0.14	0.84	PASS	0
CO2	539.72 ppm	400 - 600	35	Good	0.13	4.55	PASS	0
CO	0.26 ppm	0 - 4	3	Good	0.08	0.24	PASS	0
VOCs	0.15 mg/m3	0 - 0.30	25	Good	0.08	2.00	PASS	0
Formaldehyde	7.82 ug/m3	0 - 50	8	Good	0.07	0.56	PASS	0
NO2	8.65 ppb	0 - 50	9	Good	0.07	0.63	PASS	0
O3	37.05 ppb	0 - 50	37	Good	0.04	1.48	WARNING	19
Temperature	29.23 deg C	22 - 25.5	130	USG	0.06	7.80	FAIL	106
Humidity	44.38 %	40 - 60	11	Good	0.08	0.88	PASS	0

- NOTES
- Exceedances: count of individual readings where the parameter sub-index exceeded 100 (Unhealthy for Sensitive Groups threshold), per Table 1 of DM-HSD-GU141-IAQI2.
 - Status:
 - PASS — avg sub-index <= 100, no individual readings exceeded the threshold.
 - WARNING — avg sub-index <= 100 but some individual readings spiked above 100.
 - FAIL — avg sub-index > 100.
- O3: 19 individual readings exceeded the threshold despite an acceptable period average. Investigate intermittent spikes.

DATA QUALITY

SENSOR-HOURS COLLECTED 240	SENSOR-HOURS EXPECTED 240	DATA COMPLETENESS 100%	ACTIVE SENSORS 1
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Data Completeness = sensor-hours with data ÷ (active sensors × period hours). Based on 148 raw readings; one logical sensor = one parameter per zone.

TREND SUMMARY

During the reporting period (12 Jul 2026, 23:52 – 13 Jul 2026, 23:52), 148 readings were collected across 1 zone. Real-time EIAQI (dominant-pollutant method, per reading) ranged from 66 (moderate) to 226 (very unhealthy), with a period average of 135 (unhealthy sensitive). The worst reading of 226 (very unhealthy) occurred in Main Office Space at 13 Jul 2026, 22:30, driven by O3. The building's overall EIAQI for the period is 25 (good), computed using the weighted-summation method (8/24-hour reporting) from the worst zone. This differs by design from the per-reading range above.

RECOMMENDATIONS

- Temperature in inBiot Office reached Unhealthy for Sensitive Groups levels (avg 29.2 deg C, 106 exceedances). Inspect HVAC capacity and check for heat-generating equipment near sensors.

This report was automatically generated by the Naseem EIAQI Platform in accordance with Dubai Municipality Guideline DM-HSD-GU141-IAQI2. It is provided for informational purposes only and should be reviewed by a qualified indoor air quality professional before any action is taken. Building management retains full responsibility for compliance with Dubai Municipality requirements.

AUDIT TRAIL

Hash:

Generated:

Platform:

Standard:

fd4acffc63470063ab88622a49d7f535071582bb1235b5a6f1f10e1f654293e4

13 Jul 2026, 23:52 GST

Naseem EIAQI Platform

DM-HSD-GU141-IAQI2 — Dubai Municipality Indoor Air Quality Index Guideline

Appendix: EIAQI Calculation Methodology

This page shows the complete calculation steps that produced the EIAQI score on page 1, so a reviewing engineer can verify every number without platform access.

1. FORMULA REFERENCE

$$Ip = ((C - CL) / (CH - CL)) \times (IH - IL) + IL$$

Where:

Ip = Sub-index for pollutant p

C = Measured concentration of pollutant p

CL = Concentration at lower breakpoint

CH = Concentration at upper breakpoint

IL = Sub-index at lower breakpoint

IH = Sub-index at upper breakpoint

Reference: DM-HSD-GU141-IAQI2, Tables 2 & 3

$$EIAQI = \text{SUM}(Ip \times Wp)$$

Where Wp = weight from DM Table 4

2. WORKED CALCULATION FOR THIS REPORT

Values below are building averages for the report period.

PARAMETER	MEASURED AVG	BREAKPOINT RANGE	SUB-IDX RANGE	CALCULATION	IP	WP	IP X WP
PM2.5	5.91 ug/m3	0 - 12 ug/m3	0 - 50	$((C-CL)/(CH-CL)) \times (IH-IL) + IL = ((5.91-0)/(12-0)) \times (50-0) + 0$	25	0.25	6.25
PM10	5.91 ug/m3	0 - 50 ug/m3	0 - 50	$((C-CL)/(CH-CL)) \times (IH-IL) + IL = ((5.91-0)/(50-0)) \times (50-0) + 0$	6	0.14	0.84
CO2	539.72 ppm	400 - 600 ppm	0 - 50	$((C-CL)/(CH-CL)) \times (IH-IL) + IL = ((539.72-400)/(600-400)) \times (50-0) + 0$	35	0.13	4.55
CO	0.26 ppm	0 - 4 ppm	0 - 50	$((C-CL)/(CH-CL)) \times (IH-IL) + IL = ((0.26-0)/(4-0)) \times (50-0) + 0$	3	0.08	0.24
VOCs	0.15 mg/m3	0 - 0.3 mg/m3	0 - 50	$((C-CL)/(CH-CL)) \times (IH-IL) + IL = ((0.15-0)/(0.3-0)) \times (50-0) + 0$	25	0.08	2.00
Formaldehyde	7.82 ug/m3	0 - 50 ug/m3	0 - 50	$((C-CL)/(CH-CL)) \times (IH-IL) + IL = ((7.82-0)/(50-0)) \times (50-0) + 0$	8	0.07	0.56
NO2	8.65 ppb	0 - 50 ppb	0 - 50	$((C-CL)/(CH-CL)) \times (IH-IL) + IL = ((8.65-0)/(50-0)) \times (50-0) + 0$	9	0.07	0.63
O3	37.05 ppb	0 - 50 ppb	0 - 50	$((C-CL)/(CH-CL)) \times (IH-IL) + IL = ((37.05-0)/(50-0)) \times (50-0) + 0$	37	0.04	1.48
Temperature	29.23 deg C	28.1 - 30 deg C (hot side)	101 - 150	$((C-CL)/(CH-CL)) \times (IH-IL) + IL = ((29.23-28.1)/(30-28.1)) \times (150-101) + 101$	130	0.06	7.80
Humidity	44.38 %	40 - 60 %	0 - 50	$((C-CL)/(CH-CL)) \times (IH-IL) + IL = ((44.38-40)/(60-40)) \times (50-0) + 0$	11	0.08	0.88

3. FINAL WEIGHTED SUMMATION

$$EIAQI = \text{SUM}(Ip \times Wp)$$
$$= 6.25 + 0.84 + 4.55 + 0.24 + 2.00 + 0.56 + 0.63 + 1.48 + 7.80 + 0.88$$
$$= 25.23$$
$$= 25 \text{ (rounded)}$$

Category: Good (0-50)

4. FIGURE 1 ASSESSMENT

IAQI = MAX(non-thermal sub-indices)
= MAX(25, 6, 35, 3, 25, 8, 9, 37) = 37
-> Good -> Weightage 5

TCI = MAX(thermal sub-indices)
= MAX(130, 11) = 130
-> Discomfort -> Weightage 3

Total = 5 + 3 = 8/10 -> Moderate

Source: worst zone — Main Office Space

Reference: DM-HSD-GU141-IAQI2, Tables 2, 3, 4, and Figure 1