EARTHSENSE

TRUSTED AIR QUALITY INSIGHT

EarthSense Systems Ltd.

Zephyr Sensor Cartridge Calibration Certificate for Particulate Matter

Sensor Cartridge BIC2749

Calibration Summary

Location: *EarthSense manufacturing facility*
Start Date: *2024-01-15 00:00:00*
End Date: *2024-01-22 00:00:00*

Pollutant	RMSE (µg/m³)	RMSE Pass Criteria (µg/m³)	R^2	R^2 Pass Criteria	Status
$PM_{2.5}$	1.80	≤5.0	0.953	≥0.75	Pass
PM_{10}	5.84	≤10.0	0.780	≥0.5	Pass

In compliance with our Indicative MCERTS accreditation, all particulate sensors are reviewed for a period against our reference equipment.
Sensor parameters are fixed following formal testing at the UK's National Physical Laboratory in 2022.
These tests confirm nominal sensor performance, either through RMS error or R^2 correlations.
The co-located EarthSense reference station measurements have been ratified according to LAQM TG22 standards by Geoff Broughton (AQDM).

Approved for customer shipment: *Kiran Mistry*



Quality standards approval: *Dr. Roland Leigh*

