

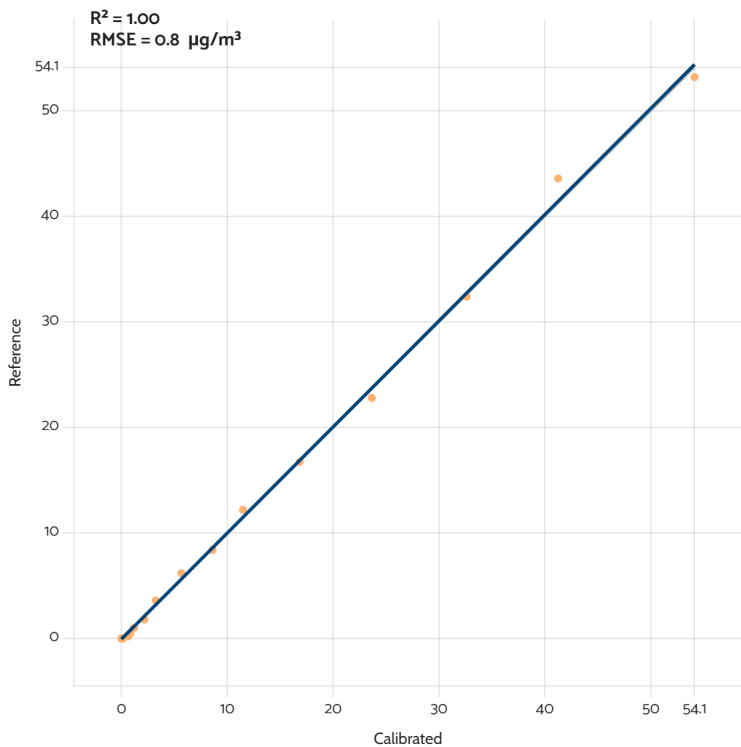
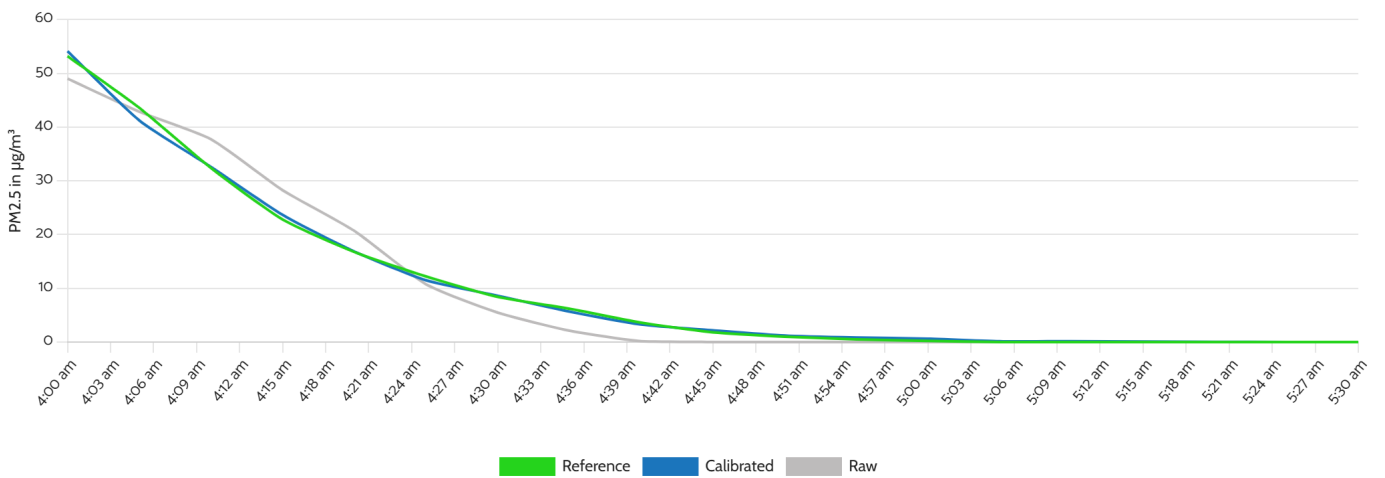
Factory Test and Calibration Report AirGradient ONE

Serial Number: airgradient:588c814000c0
 Number of data points tested: 40
 Number of 5 minutes buckets tested: 18
 Date: 27/07/2026
 Test Report Version: 3
 Calibration Source: PM Count

PM2.5

Calibration Parameters via PM Count:
 Scaling Factor: 0.016
 Offset: -0.993

PM 2.5 reference data is from our Palas Fidas 200 PM reference instrument placed in our test chamber. The Palas Fidas in an EN 16450 approved fine dust measurement device explicitly developed for environmental regulatory monitoring.



Historical Data Validity: 100%
Time Interval: 5 Minutes

Other Parameters

Temperature

Test Result: 27.35°C
Reference: 27.26°C
Delta: 0.09 °C
Module Accuracy:
-40 to 125°C, $\pm 0.70^\circ\text{C}$ @ 0-90°C

CO2

Test Result: 520.55ppm
Reference: 513.35ppm
Delta: 7.20 ppm
Module Accuracy:
 ± 40 ppm $\pm 3\%$

Relative Humidity

Test Result: 56.8% RH
Reference: 57.41% RH
Delta: -0.61 % RH
Module Accuracy:
0 - 100% RH, $\pm 2\%$ @ 0-100% RH

TVOC

Test Result: 296.13 ppb
Test Result: 167.86 index
Min Band Test: Pass
Max Band Test Pass
Module Accuracy:
15% @ 0-1,000ppm of Ethanol eq. (typical)
40% @ 0-1,000ppm of Ethanol eq. (max)
15% Device-to-device var. (TVOC)
Monitor Output:
0 - 60,000ppb TVOC Signal
0 - 500 TVOC Index