

# ANNEXE 4 : CERTIFICAT DE CALIBRATION DU DUSTMATE ENVIRONMENTAL DUST



## Dust Monitor Service/Calibration Certificate

Instrument Details		Calibration No: 15893	
Customer: DIAMOND CEMENT			
Instrument: DustMate	Serial Number: DM12693	Software Version: D3.04	
Date of Last Service: N/A	Date Supplied New: 11/02/2021		

Calibration Factors prior to Servicing			
<b>Measured Flow Rate:</b>	<b>N/A</b>	<b>cc/min</b>	<b>Total pump usage:</b>
<b>TSP: 1.0</b>	<b>PM10: 1.0</b>	<b>PM2.5: 1.0</b>	<b>PM1.0: 1.0</b>
<b>Inhalable: /</b>	<b>Thoracic: /</b>	<b>Respirable: /</b>	<b>PM2.0: /</b>

<b>Fault Report:</b>
<b>New Instrument.</b>

<b>Work Carried Out:</b>
<b>Calibration.</b>
<b>Charge battery <input checked="" type="checkbox"/>. Change reference filter <input checked="" type="checkbox"/>.</b>
<b>Photometer Scale 2200 Laser current 28 mA Flow rate 600 cc/min Stray light 0 mV</b>
<b>Wind inputs OK <input checked="" type="checkbox"/> External inputs OK <input checked="" type="checkbox"/> Inlet Heater OK <input checked="" type="checkbox"/> Alarm output OK <input checked="" type="checkbox"/></b>
<b>Clean-Air filter OK <input checked="" type="checkbox"/> Backup-Filter OK <input checked="" type="checkbox"/> PC-Link OK <input checked="" type="checkbox"/> Telemetry OK <input checked="" type="checkbox"/></b>

<b>Parts Required:</b>
<b>None.</b>
<b>Phot Serial Number: 6290 Pump Serial Number: U012140</b>

Instrument Calibration against Reference Instrument				
reading is with new calibration factor applied				
Fraction	Zero	Reading	Reference	New Cal. Factor
TSP	0.0 $\mu\text{g}/\text{m}^3$	337.4 $\mu\text{g}/\text{m}^3$	322.3 $\mu\text{g}/\text{m}^3$	1
PM10	0.0 $\mu\text{g}/\text{m}^3$	313.5 $\mu\text{g}/\text{m}^3$	306.2 $\mu\text{g}/\text{m}^3$	1
PM2.5	0.00 $\mu\text{g}/\text{m}^3$	284.27 $\mu\text{g}/\text{m}^3$	289.38 $\mu\text{g}/\text{m}^3$	1
PM1.0	0.00 $\mu\text{g}/\text{m}^3$	175.22 $\mu\text{g}/\text{m}^3$	190.36 $\mu\text{g}/\text{m}^3$	1
<b>Reference Instrument: TNO2135</b>		<b>Date Reference Calibrated: 26/02/20</b>		

<b>Signed: CRAIG ROBERTS</b>	<b>Date: 11/02/2021</b>	<b>Temperature: 21 °C</b>
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**Calibration Due: 11/02/2022**