



## Dust Monitor Service/Calibration Certificate

<b>Instrument Details</b>		Calibration No: 16174	
Customer: Hill Partnership			
Instrument: Osiris	Serial Number: TNO3650	Software Version: O4.28	
Date of Last Service: 19/05/21		Date Supplied New: N/A	

Calibration Factors prior to Servicing			
Measured Flow Rate: 600	cc/min	Total pump useage: 10614	hours
TSP: 1.0	PM10: 1.0	PM2.5: 1.0	PM1.0: 1.0
Inhalable: /	Thoracic: /	Respirable: /	PM2.0: /

<b>Fault Report:</b>	
Routine Service & Re-calibration.	

<b>Work Carried Out:</b>			
Full Service & Re-calibration.			
Charge battery <input checked="" type="checkbox"/> . Change reference filter <input checked="" type="checkbox"/> .			
Photometer Scale 2450	Laser current 28 mA	Flow rate 600 cc/min	Stray light 0 mV
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"/>
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>Parts Required:</b>	
Pump, battery & filters.	

Instrument Calibration against Reference Instrument				
reading is with new calibration factor applied				
Fraction	Zero	Reading	Reference	New Cal. Factor
TSP	0.0 µg/m <sup>3</sup>	155.6 µg/m <sup>3</sup>	159.7 µg/m <sup>3</sup>	1
PM10	0.0 µg/m <sup>3</sup>	152.6 µg/m <sup>3</sup>	147.5 µg/m <sup>3</sup>	1
PM2.5	0.00 µg/m <sup>3</sup>	136.01 µg/m <sup>3</sup>	143.99 µg/m <sup>3</sup>	1
PM1.0	0.00 µg/m <sup>3</sup>	27.78 µg/m <sup>3</sup>	99.29 µg/m <sup>3</sup>	1
Reference Instrument: TNO2267		Date Reference Calibrated: 23/03/21		

Signed: Liam Moores	Date: 19/05/2021	Temperature: 19.4 °C
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**Calibration Due: 19/05/2022**

— PM10: REF: TNO2126 — PM10: TNO3649 — PM10: TNO3650 — PM10: TNO3651

## Hill Partnership

$\mu\text{g}/\text{m}^3$

360

340

320

300

280

260

240

220

200

180

160

140

120

100

80

60

40

20

11.30 May/9 2021

11.35 May/9 2021

11.40 May/9 2021

11.45 May/9 2021

11.50 May/9 2021

