



Dust Monitor Service/Calibration Certificate

Instrument Details		Calibration No: 16173	
<i>Customer:</i> Hill Partnership			
<i>Instrument:</i> Osiris	<i>Serial Number:</i> TNO3649	<i>Software Version:</i> O4.28	
<i>Date of Last Service:</i> 19/05/21		<i>Date Supplied New:</i> N/A	

Calibration Factors prior to Servicing			
<i>Measured Flow Rate:</i>	600	<i>cc/min</i>	<i>Total pump usage:</i> 13173 <i>hours</i>
<i>TSP:</i> 1.0	<i>PM10:</i> 1.0	<i>PM2.5:</i> 1.0	<i>PM1.0:</i> 1.0
<i>Inhalable:</i> /	<i>Thoracic:</i> /	<i>Respirable:</i> /	<i>PM2.0:</i> /

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

<i>Work Carried Out:</i>			
Full Service & Re-calibration.			
<i>Charge battery</i> <input checked="" type="checkbox"/> . <i>Change reference filter</i> <input checked="" type="checkbox"/> .			
<i>Photometer Scale</i> 2320	<i>Laser current</i> 28 mA	<i>Flow rate</i> 600 cc/min	<i>Stray light</i> 0 mV
<i>Wind inputs OK</i> <input checked="" type="checkbox"/>	<i>External inputs OK</i> <input checked="" type="checkbox"/>	<i>Inlet Heater OK</i> <input checked="" type="checkbox"/>	<i>Alarm output OK</i> <input checked="" type="checkbox"/>
<i>Clean-Air filter OK</i> <input checked="" type="checkbox"/>	<i>Backup-Filter OK</i> <input checked="" type="checkbox"/>	<i>PC-Link OK</i> <input checked="" type="checkbox"/>	<i>Telemetry OK</i> <input checked="" type="checkbox"/>

<i>Parts Required:</i>	
Pump, battery & filters.	

<i>Instrument Calibration against Reference Instrument</i>				
<i>reading is with new calibration factor applied</i>				
<i>Fraction</i>	<i>Zero</i>	<i>Reading</i>	<i>Reference</i>	<i>New Cal. Factor</i>
TSP	0.0 µg/m ³	154.6 µg/m ³	159.7 µg/m ³	1
PM10	0.0 µg/m ³	152.1 µg/m ³	147.5 µg/m ³	1
PM2.5	0.00 µg/m ³	137.36 µg/m ³	143.99 µg/m ³	1
PM1.0	0.00 µg/m ³	28.11 µg/m ³	99.29 µg/m ³	1
<i>Reference Instrument:</i> TNO2267			<i>Date Reference Calibrated:</i> 23/03/21	

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

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

Hill Partnership

µg/m³

360

340

320

300

280

260

240

220

200

180

160

140

120

100

80

60

40

20

11:30 May 19 2021

11:35 May 19 2021

11:40 May 19 2021

11:45 May 19 2021

11:50 May 19 2021

