



Aeroqual Limited

109 Valley Road, Mount Eden, Auckland, New Zealand

Phone: +64-9-623 3013 Fax: +64-9-623 3012

www.aeroqual.com

**Calibration Certificate No. 20367**

**Calibration Date: 28 Sep 2017 09:55**

**Model:** Ozone High 0-10 ppm

**Serial No:** EOZ-2209171-009

**Environmental Conditions**

Temperature 24.4 °C

Relative Humidity 47.8 %

**Measurements**

Calibration Standard /ppm	0.022	5.304	7.448	0.000
AQL Sensor (Mean) /ppm	0.020	5.364	7.498	0.000
AQL Sensor (Std. Dev) /ppm	0.001	0.004	0.000	0.000

\*The Mean and Standard Deviation are calculated from three consecutive readings.

**Calibration Standard**

The Aeroqual ozone sensors are calibrated in a controlled environment against a NATA certified ozone UV photometer whose traceability is maintained with international standards organisations. \*NATA is Australia's national body for accreditation of producers of certified reference materials.

**QC Approval:** Farid Yanes

**Date:** 28 Sep 2017



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**Calibration Certificate No. 20223**

**Calibration Date: 13 Sep 2017 09:09**

**Model:** Sulphur Dioxide 0-10 ppm

**Serial No:** ESO-1209174-003

**Environmental Conditions**

Temperature 24.3 °C

Relative Humidity 30.2 %

**Measurements**

Calibration Standard /ppm	0.00	6.24	0.00	0.00
AQL Sensor (Mean) /ppm	0.00	6.24	0.00	0.00
AQL Sensor (Std. Dev) /ppm	0.006	0.002	0.000	0.000

\*The Mean and Standard Deviation are calculated from three consecutive readings.

**Calibration Standard**

The Aeroqual sensor is calibrated against a certified UV fluorescence analyser.

**QC Approval:** Farid Yanes

**Date:** 13 Sep 2017



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**Calibration Certificate No. 20144**

**Calibration Date: 07 Sep 2017 11:29**

**Model:** Carbon Monoxide 0-25ppm GSE

**Serial No: ECM-0709171-004**

**Environmental Conditions**

Temperature 24.9 °C

Relative Humidity 38.4 %

**Measurements**

Calibration Standard /ppm	0.00	20.00	0.00	0.00
AQL Sensor (Mean) /ppm	0.00	19.98	0.00	0.00
AQL Sensor (Std. Dev) /ppm	0.000	0.009	0.000	0.000

\*The Mean and Standard Deviation are calculated from three consecutive readings.

**Calibration Standard**

This sensor was calibrated against a certified mixture of carbon monoxide in synthetic air diluted with zero air using mass flow controllers with calibrations traceable to the National Institute of Standards and Technology (NIST).

**QC Approval: Farid Yanes**

**Date: 07 Sep 2017**



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**Calibration Certificate No. 20332**

**Calibration Date: 21 Sep 2017 12:00**

**Model:** Nitrogen dioxide 0-1 ppm

**Serial No: ENW-0809171-006**

**Environmental Conditions**

Temperature 25.5 °C

Relative Humidity 36.7 %

**Measurements**

Calibration Standard /ppm	0.000	0.715	0.000	0.000
AQL Sensor (Mean) /ppm	0.000	0.708	0.000	0.000
AQL Sensor (Std. Dev) /ppm	0.000	0.009	0.000	0.000

\*The Mean and Standard Deviation are calculated from three consecutive readings.

**Calibration Standard**

The Aeroqual sensor is calibrated against a chemiluminescence NOx analyser. The calibration of this analyser is traceable to primary standards.

**QC Approval: Farid Yanes**

**Date: 21 Sep 2017**



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**Calibration Certificate No. 21045**

**Calibration Date: 01 Nov 2017 16:51**

**Model:** Carbon dioxide 0-5000ppm

**Serial No: CE--1810171-012**

**Environmental Conditions**

Temperature 25.4 °C

Relative Humidity 41.7 %

**Measurements**

Calibration Standard /ppm	0	4000	0	0
AQL Sensor (Mean) /ppm	0	4002	0	0
AQL Sensor (Std. Dev) /ppm	0.000	0.816	0.000	0.000

\*The Mean and Standard Deviation are calculated from three consecutive readings.

**Calibration Standard**

This sensor was calibrated against a certified mixture of carbon dioxide in synthetic air diluted with zero air using mass flow controllers with calibrations traceable to the National Institute of Standards and Technology (NIST).

**QC Approval: Farid Yanes**

**Date: 01 Nov 2017**



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**Calibration Certificate No. 19683**

**Calibration Date: 08 Aug 2017 11:10**

**Model:**

**Serial No:** VP--2005164-168

**Environmental Conditions**

Temperature  °C

Relative Humidity  %

**Measurements**

Calibration Standard /ppm	0	100	200	0
AQL Sensor (Mean) /ppm	0	103	200	0
AQL Sensor (Std. Dev) /ppm	0.000	0.000	1.155	0.000

\*The Mean and Standard Deviation are calculated from three consecutive readings.

**Calibration Standard**

This sensor was calibrated against a certified mixture of isobutene in synthetic air diluted with zero air using mass flow controllers with calibrations traceable to the National Institute of Standards and Technology (NIST).

**QC Approval:** Farid Yanes

**Date:** 08 Aug 2017