Annex G1

Calibration Certificates for Water Quality



Report No. Date of Issue Page No. BA080092 27 August 2021 1 of 2

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PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd. Flat 2207, Yu Fun House, Yu Chui Court, Shatin New Territories, Hong Kong Attn: Mr. Thomas WONG

PART B – DESCRIPTION

| Name of Equipment | : YSI ProDSS (Multi-Parameters) |
|---|---------------------------------|
| Manufacturer | : YSI (a xylem brand) |
| Serial Number | : 16H104233 |
| Date of Received | : Aug 27, 2021 |
| Date of Calibration | : Aug 27, 2021 |
| Date of Next Calibration ^(a) | : Nov 26, 2021 |
| | |

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

ParameterReference MethodpH at 25°CAPHA 21e 4500-H* BDissolved OxygenAPHA 21e 4500-O GConductivity at 25°CAPHA 21e 2510 BSalinityAPHA 21e 2520 BTurbidityAPHA 21e 2130 BTemperatureSection 6 of international Accreditation New Zealand Technical
Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D - CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

| Target (pH unit) | Displayed Reading ^(d) (pH Unit) | Tolerance ^(e) (pH Unit) | Results |
|------------------|--|------------------------------------|--------------|
| 4.00 | 4.02 | 0.02 | Satisfactory |
| 7.42 | 7.44 | 0.02 | Satisfactory |
| 10.01 | 9.96 | -0.05 | Satisfactory |

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature

| Reading of Ref. thermometer (°C) | Displayed Reading (°C) | Tolerance (°C) | Results |
|-------------------------------------|------------------------|----------------|--------------|
| 10 | 10.0 | 0.0 | Satisfactory |
| 20 | 20.0 | 0.0 | Satisfactory |
| 45 | 44.9 | -0.1 | Satisfactory |

Tolerance limit of temperature should be less than ±2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.

(b) The results relate only to the calibrated equipment as received

(e) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

- (d) "Displayed Reading" denotes the figure shown on item under calibration/checking regardless of equipment precision or significant figures.
- (e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

LEE Chun-ning

LEE Chun-hing Senior Chemist



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PART D - CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) | Results |
|-------------------------|--------------------------|------------------|--------------|
| 0.20 | 0.30 | 0.10 | Satisfactory |
| 2.19 | 2.27 | 0.08 | Satisfactory |
| 4.99 | 5.00 | 0.01 | Satisfactory |
| 7.49 | 7.58 | 0.09 | Satisfactory |

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

| Conc. of KCl (M) | Expected Reading (µS/cm) | Displayed Reading (µS/cm) | Tolerance (%) | Results |
|------------------|-----------------------------|------------------------------|---------------|--------------|
| 0.001 | 146.9 | 137.4 | -6.47 | Satisfactory |
| 0.01 | 1412 | 1336.6 | -5.34 | Satisfactory |
| 0.1 | 12890 | 12567.3 | -2.50 | Satisfactory |
| 0.5 | 58670 | 57933.2 | -1.26 | Satisfactory |
| 1.0 | 111900 | 110783 | -1.00 | Satisfactory |

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

| Expected Reading (g/L) | Displayed Reading (g/L) | Tolerance (%) | Results |
|------------------------|-------------------------|---------------|--------------|
| 10 | 9.94 | -0.60 | Satisfactory |
| 20 | 20.11 | 0.55 | Satisfactory |
| 30 | 30.18 | 0.60 | Satisfactory |

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

| Expected Reading (NTU) | Displayed Reading ^(f) (NTU) | Tolerance ^(g) (%) | Results |
|---------------------------|--|---------------------------------|--------------|
| 0 | 0.10 | | Satisfactory |
| 10 | 9.93 | -0.7 | Satisfactory |
| 20 | 20.06 | 0.3 | Satisfactory |
| 100 | 106.42 | 6.4 | Satisfactory |
| 800 | 797.21 | -0.3 | Satisfactory |

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

- "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures. The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.



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PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd. Flat 2207, Yu Fun House, Yu Chui Court, Shatin New Territories, Hong Kong Attn: Mr. Thomas WONG

PART B – DESCRIPTION

| Name of Equipment | : YSI ProDSS (Multi-Parameters) |
|---|---------------------------------|
| Manufacturer | : YSI (a xylem brand) |
| Serial Number | : 16H104234 |
| Date of Received | : Aug 27, 2021 |
| Date of Calibration | : Aug 27, 2021 |
| Date of Next Calibration ^(a) | : Nov 26, 2021 |
| | |

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

| Parameter | Reference Method |
|----------------------|---|
| pH at 25°C | APHA 21e 4500-H ⁺ B |
| Dissolved Oxygen | APHA 21e 4500-O G |
| Conductivity at 25°C | APHA 21e 2510 B |
| Salinity | APHA 21e 2520 B |
| Turbidity | APHA 21e 2130 B |
| Temperature | Section 6 of international Accreditation New Zealand Technical |
| | Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure. |

PART D - CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

| Target (pH unit) | Displayed Reading ^(d) (pH Unit) | Tolerance ^(e) (pH Unit) | Results |
|------------------|--|------------------------------------|--------------|
| 4.00 | 4.01 | 0.01 | Satisfactory |
| 7.42 | 7.45 | 0.03 | Satisfactory |
| 10.01 | 9.98 | -0.03 | Satisfactory |

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature

| Reading of Ref. thermometer (°C) | Displayed Reading (°C) | Tolerance (°C) | Results |
|-------------------------------------|------------------------|----------------|--------------|
| 10 | 10.0 | 0.0 | Satisfactory |
| 20 | 20.0 | 0.0 | Satisfactory |
| 45 | 44.9 | -0.1 | Satisfactory |

Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

<u>Remark(s): -</u>

The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.

The results relate only to the calibrated equipment as received

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source. "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures. (c)

(d)

(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards ...

LEE Chun-ning Senior Chemist



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PART D - CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) | Results |
|-------------------------|--------------------------|------------------|--------------|
| 0.20 | 0.28 | 0.08 | Satisfactory |
| 2.19 | 2.30 | 0.11 | Satisfactory |
| 4.99 | 4.99 | 0.00 | Satisfactory |
| 7.49 | 7.53 | 0.04 | Satisfactory |

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

| Conc. of KCl (M) | Expected Reading (µS/cm) | Displayed Reading (µS/cm) | Tolerance (%) | Results |
|------------------|-----------------------------|------------------------------|---------------|--------------|
| 0.001 | 146.9 | 138.4 | -5.79 | Satisfactory |
| 0.01 | 1412 | 1339.3 | -5.15 | Satisfactory |
| 0.1 | 12890 | 12663.2 | -1.76 | Satisfactory |
| 0.5 | 58670 | 57882.1 | -1.34 | Satisfactory |
| 1.0 | 111900 | 110653.4 | -1.11 | Satisfactory |

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

| Expected Reading (g/L) | Displayed Reading (g/L) | Tolerance (%) | Results |
|------------------------|-------------------------|---------------|--------------|
| 10 | 9.93 | -0.70 | Satisfactory |
| 20 | 19.89 | -0.55 | Satisfactory |
| 30 | 30.20 | 0.67 | Satisfactory |

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

| Expected Reading (NTU) | Displayed Reading ^(f) (NTU) | Tolerance ^(g) (%) | Results |
|---------------------------|--|------------------------------|--------------|
| 0 | 0.10 | | Satisfactory |
| 10 | 9.90 | -1.0 | Satisfactory |
| 20 | 19.88 | -0.6 | Satisfactory |
| 100 | 107.31 | 7.3 | Satisfactory |
| 800 | 796.34 | -0.5 | Satisfactory |

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

<u>Remark(s): -</u>

^(p) "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures.

(® The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.



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PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd. Flat 2207, Yu Fun House, Yu Chui Court, Shatin New Territories, Hong Kong Attn: Mr. Thomas WONG

PART B – DESCRIPTION

| Name of Equipment | : YSI ProDSS (Multi-Parameters) |
|---|---------------------------------|
| Manufacturer | : YSI (a xylem brand) |
| Serial Number | : 16H104234 |
| Date of Received | : Nov 26, 2021 |
| Date of Calibration | : Nov 26, 2021 |
| Date of Next Calibration ^(a) | : Feb 25, 2022 |
| | |

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Parameter **Reference Method** pH at 25°C APHA 21e 4500-H⁺ B Dissolved Oxygen APHA 21e 4500-O G Conductivity at 25°C APHA 21e 2510B Salinity APHA 21e 2520B Turbidity APHA 21e 2130B Temperature Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure.

PART D - CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

| Target (pH unit) | Displayed Reading ^(d) (pH Unit) | Tolerance ^(e) (pH Unit) | Results |
|------------------|--|------------------------------------|--------------|
| 4.00 | 4.08 | 0.08 | Satisfactory |
| 7.42 | 7.46 | 0.04 | Satisfactory |
| 10.01 | 10.10 | 0.09 | Satisfactory |

Folerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature

| Reading of Ref. thermometer (°C) | Displayed Reading (°C) | Tolerance (°C) | Results |
|-------------------------------------|------------------------|----------------|--------------|
| 10 | 10.0 | 0.0 | Satisfactory |
| 24 | 21.9 | -0.1 | Satisfactory |
| 45 | 45.0 | 0.0 | Satisfactory |

Tolerance limit of temperature should be less than ±2.0 (°C)

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Remark(s): -

The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.

(b) The results relate only to the calibrated equipment as received

- The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source. (c)
- (d)"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
- (e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards ...

LEE Chun-ning Senior Chemist



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PART D - CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) | Results |
|-------------------------|--------------------------|------------------|--------------|
| 8.40 | 8.58 | 0.18 | Satisfactory |
| 5.34 | 5.16 | -0.18 | Satisfactory |
| 2.63 | 2.50 | -0.13 | Satisfactory |
| 0.16 | 0.51 | 0.35 | Satisfactory |

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

| Conc. of KCl (M) | Expected Reading (µS/cm) | Displayed Reading (µS/cm) | Tolerance (%) | Results |
|------------------|-----------------------------|------------------------------|---------------|--------------|
| 0.001 | 146.9 | 152.0 | 3.47 | Satisfactory |
| 0.01 | 1412 | 1326 | -6.09 | Satisfactory |
| 0.1 | 12890 | 12793 | -0.75 | Satisfactory |
| 0.5 | 58670 | 59086 | 0.71 | Satisfactory |
| 1.0 | 111900 | 112741 | 0.75 | Satisfactory |

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

| Expected Reading (g/L) | Displayed Reading (g/L) | Tolerance (%) | Results |
|------------------------|-------------------------|---------------|--------------|
| 10 | 10.08 | 0.80 | Satisfactory |
| 20 | 20.17 | 0.85 | Satisfactory |
| 30 | 30.21 | 0.70 | Satisfactory |

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

| Expected Reading (NTU) | Displayed Reading ^(f) (NTU) | Tolerance ^(g) (%) | Results |
|---------------------------|--|---------------------------------|--------------|
| 0 | 0.05 | | Satisfactory |
| 10 | 9.88 | -1.2 | Satisfactory |
| 20 | 20.09 | 0.4 | Satisfactory |
| 100 | 98.8 | -1.2 | Satisfactory |
| 800 | 812.3 | 1.5 | Satisfactory |

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

<u>Remark(s): -</u>

- "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures. The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form (g) relevant international standards.



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PART A – CUSTOMER INFORMATION

Enovative Environmental Service Ltd. Flat 2207, Yu Fun House, Yu Chui Court, Shatin New Territories, Hong Kong Attn: Mr. Thomas WONG

PART B – DESCRIPTION

| : | YSI ProDSS (Multi-Parameters) |
|---|-------------------------------|
| : | YSI (a xylem brand) |
| : | 17E100747 |
| : | Jun 18, 2021 |
| 1 | Jun 18, 2021 |
| : | Sep 17, 2021 |
| | |

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

| Parameter | Reference Method |
|----------------------|---|
| pH at 25°C | APHA 21e 4500-H ⁺ B |
| Dissolved Oxygen | APHA 21e 4500-O G |
| Conductivity at 25°C | APHA 21e 2510 B |
| Salinity | APHA 21e 2520 B |
| Turbidity | APHA 21e 2130 B |
| Temperature | Section 6 of international Accreditation New Zealand Technical |
| • | Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure. |

PART D - CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

| Target (pH unit) | Displayed Reading ^(d) (pH Unit) | Tolerance ^(e) (pH Unit) | Results |
|------------------|--|------------------------------------|--------------|
| 4.00 | 4.03 | 0.03 | Satisfactory |
| 7.42 | 7.45 | 0.03 | Satisfactory |
| 10.01 | 10.03 | 0.02 | Satisfactory |

Tolerance of pH should be less than ±0.20 (pH unit)

(2) Temperature

| Displayed Reading (°C) | Tolerance (°C) | Results |
|------------------------|----------------|--|
| 10.0 | 0.0 | Satisfactory |
| 24.9 | -0.1 | Satisfactory |
| 40.1 | 0.1 | Satisfactory |
| - | 10.0 24.9 | 10.0 0.0 24.9 -0.1 |

Tolerance limit of temperature should be less than ±2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

<u>Remark(s): -</u>

(a) The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.

(b) The results relate only to the calibrated equipment as received

(c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

(d) "Displayed Reading" denotes the figure shown on item under calibration/checking regardless of equipment precision or significant figures.

(e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.

LEE Chun-ning, Desmond

Senior Chemist



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PART D - CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) | Results |
|-------------------------|--------------------------|------------------|--------------|
| 0.05 | 0.30 | 0.25 | Satisfactory |
| 3.40 | 3.52 | 0.12 | Satisfactory |
| 5.03 | 5.49 | 0.46 | Satisfactory |
| 7.34 | 7.43 | 0.09 | Satisfactory |

Tolerance limit of dissolved oxygen should be less than ±0.50 (mg/L)

(4) Conductivity at 25°C

| Conc. of KCl (M) | Expected Reading (µS/cm) | Displayed Reading (µS/cm) | Tolerance (%) | Results |
|------------------|-----------------------------|------------------------------|---------------|--------------|
| 0.001 | 146.9 | 137.1 | -6.67 | Satisfactory |
| 0.01 | 1412 | 1327.6 | -5.98 | Satisfactory |
| 0.1 | 12890 | 12487.3 | -3.12 | Satisfactory |
| 0.5 | 58670 | 57240 | -2.44 | Satisfactory |
| 1.0 | 111900 | 109546 | -2.10 | Satisfactory |

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

| Expected Reading (g/L) | Displayed Reading (g/L) | Tolerance (%) | Results |
|------------------------|-------------------------|---------------|--------------|
| 10 | 10.02 | 0.20 | Satisfactory |
| 20 | 19.86 | -0.70 | Satisfactory |
| 30 | 29.84 | -0.53 | Satisfactory |

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

| Expected Reading (NTU) | | | Results | |
|---------------------------|--------|------|--------------|--|
| 0 | 0.09 | | Satisfactory | |
| 10 | 9.86 | -1.4 | Satisfactory | |
| 20 | 19.78 | -1.1 | Satisfactory | |
| 100 | 97.55 | -2.5 | Satisfactory | |
| 800 | 795.23 | -0.6 | Satisfactory | |

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

<u>Remark(s): -</u>

- "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures. The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form (g) relevant international standards.



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PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd. Flat 2207, Yu Fun House, Yu Chui Court, Shatin New Territories, Hong Kong Attn: Mr. Thomas WONG

PART B – DESCRIPTION

| Name of Equipment | : YSI ProDSS (Multi-Parameters | s) |
|---|--------------------------------|----|
| Manufacturer | : YSI (a xylem brand) | |
| Serial Number | : 18A104824 | |
| Date of Received | : Sep 24, 2021 | |
| Date of Calibration | : Sep 24, 2021 | |
| Date of Next Calibration ^(a) | : Dec 23, 2021 | |
| | | |

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

| Parameter | Reference Method |
|----------------------|---|
| pH at 25°C | APHA 21e 4500-H ⁺ B |
| Dissolved Oxygen | APHA 21e 4500-O G |
| Conductivity at 25°C | APHA 21e 2510 B |
| Salinity | APHA 21e 2520 B |
| Turbidity | APHA 21e 2130 B |
| Temperature | Section 6 of international Accreditation New Zealand Technical |
| | Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure. |

PART D - CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

| Target (pH unit) | Displayed Reading ^(d) (pH Unit) | Tolerance ^(e) (pH Unit) | Results |
|------------------|--|------------------------------------|--------------|
| 4.00 | 4.03 | 0.03 | Satisfactory |
| 7.42 | 7.46 | 0.04 | Satisfactory |
| 10.01 | 9.96 | -0.05 | Satisfactory |

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature

| Reading of Ref. thermometer (°C) | Displayed Reading (°C) | Tolerance (°C) | Results |
|-------------------------------------|------------------------|----------------|--------------|
| 10 | 10.0 | 0.0 | Satisfactory |
| 24 | 24.0 | 0.0 | Satisfactory |
| 48 | 48.0 | 0.0 | Satisfactory |

Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

<u>Remark(s): -</u>

The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.

The results relate only to the calibrated equipment as received

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source. "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures. (c)

- (d)
- The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form (e) relevant international standards ...

LEE Chun-hing



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PART D - CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) | Results |
|-------------------------|--------------------------|------------------|--------------|
| 0.18 | 0.30 | 0.12 | Satisfactory |
| 2.71 | 2.66 | -0.05 | Satisfactory |
| 5.00 | 5.09 | 0.09 | Satisfactory |
| 7.48 | 7.48 | 0.00 | Satisfactory |

Tolerance limit of dissolved oxygen should be less than ±0.50 (mg/L)

(4) Conductivity at 25°C

| Conc. of KCl (M) | Expected Reading (µS/cm) | Displayed Reading (µS/cm) | Tolerance (%) | Results |
|------------------|-----------------------------|------------------------------|---------------|--------------|
| 0.001 | 146.9 | 147.6 | 0.48 | Satisfactory |
| 0.01 | 1412 | 1451 | 2.76 | Satisfactory |
| 0.1 | 12890 | 12758 | -1.02 | Satisfactory |
| 0.5 | 58670 | 58927 | 0.44 | Satisfactory |
| 1.0 | 111900 | 110688 | -1.08 | Satisfactory |

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

| Expected Reading (g/L) | Displayed Reading (g/L) | Tolerance (%) | Results |
|------------------------|-------------------------|---------------|--------------|
| 10 | 9.98 | -0.20 | Satisfactory |
| 20 | 19.87 | -0.65 | Satisfactory |
| 30 | 29.80 | -0.67 | Satisfactory |

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

| Expected Reading (NTU) | Displayed Reading ^(f) (NTU) | Tolerance ^(g) (%) | Results |
|---------------------------|--|---------------------------------|--------------|
| 0 | 0.17 | | Satisfactory |
| 10 | 9.94 | -0.6 | Satisfactory |
| 20 | 19.88 | -0.6 | Satisfactory |
| 100 | 98.93 | -1.1 | Satisfactory |
| 800 | 794.52 | -0.7 | Satisfactory |

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

- "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures. The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form (g) relevant international standards.



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PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd. Flat 2207, Yu Fun House, Yu Chui Court, Shatin New Territories, Hong Kong Attn: Mr. Thomas WONG

PART B – DESCRIPTION

| Name of Equipment | : | YSI ProDSS (Multi-Parameters) |
|---|-----|-------------------------------|
| Manufacturer | : | YSI (a xylem brand) |
| Serial Number | : | 21G105356 |
| Date of Received | : | Sep 24, 2021 |
| Date of Calibration | : | Sep 24, 2021 |
| Date of Next Calibration ^(a) | . : | Dec 23, 2021 |

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

| Parameter | Reference Method | |
|-----------------------|--|------|
| pH at 25°C | APHA 21e 4500-H ⁺ B | |
| Dissolved Oxygen | APHA 21e 4500-O G | |
| Conductivity at 25°C | APHA 21e 2510 B | |
| Salinity | APHA 21e 2520 B | |
| Turbidity | APHA 21e 2130 B | |
| Temperature | Section 6 of international Accreditation New Zealand Technical | |
| | Guide no. 3 Second edition March 2008: Working Thermometer Calibration Proced | ure. |
| Salinity Turbidity | APHA 21e 2520 B APHA 21e 2130 B Section 6 of international Accreditation New Zealand Technical | ł |

PART D - CALIBRATION RESULTS^(b,c)

(1) pH at 25°C

| Target (pH unit) | Displayed Reading ^(d) (pH Unit) | Tolerance ^(e) (pH Unit) | Results |
|------------------|--|------------------------------------|--------------|
| 4.00 | 4.01 | 0.01 | Satisfactory |
| 7.42 | 7.45 | 0.03 | Satisfactory |
| 10.01 | 10.05 | 0.04 | Satisfactory |

Tolerance of pH should be less than ± 0.20 (pH unit)

(2) Temperature

| Reading of Ref. thermometer (°C) | Displayed Reading (°C) | Tolerance (°C) | Results |
|-------------------------------------|------------------------|----------------|--------------|
| 10 | 10.0 | 0.0 | Satisfactory |
| 24 | 24.0 | 0.0 | Satisfactory |
| 48 | 48.0 | 0.0 | Satisfactory |

Tolerance limit of temperature should be less than ±2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted form relevant international standards.

(b) The results relate only to the calibrated equipment as received

- (c) The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.
- (d) "Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.
- (e) The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards ..

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PART D - CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) | Results |
|-------------------------|--------------------------|------------------|--------------|
| 0.18 | 0.30 | 0.12 | Satisfactory |
| 2.71 | 2.60 | -0.11 | Satisfactory |
| 5.00 | 5.13 | 0.13 | Satisfactory |
| 7.48 | 7.49 | 0.01 | Satisfactory |

Tolerance limit of dissolved oxygen should be less than ± 0.50 (mg/L)

(4) Conductivity at 25°C

| Conc. of KCl (M) | Expected Reading (µS/cm) | Displayed Reading (µS/cm) | Tolerance (%) | Results |
|------------------|-----------------------------|------------------------------|---------------|--------------|
| 0.001 | 146.9 | 147.5 | 0.41 | Satisfactory |
| 0.01 | 1412 | 1466 | 3.82 | Satisfactory |
| 0.1 | 12890 | 12747 | -1.11 | Satisfactory |
| 0.5 | 58670 | 59430 | 1.30 | Satisfactory |
| 1.0 | 111900 | 110667 | -1.10 | Satisfactory |

Tolerance limit of conductivity should be less than ± 10.0 (%)

(5) Salinity

| Expected Reading (g/L) | Displayed Reading (g/L) | Tolerance (%) | Results |
|------------------------|-------------------------|---------------|--------------|
| 10 | 9.97 | -0.30 | Satisfactory |
| 20 | 20.36 | 1.80 | Satisfactory |
| 30 | 30.77 | 2.57 | Satisfactory |

Tolerance limit of salinity should be less than ± 10.0 (%)

(6) Turbidity

| Expected Reading (NTU) | Displayed Reading ^(f) (NTU) | Tolerance ^(g) (%) | Results |
|---------------------------|--|------------------------------|--------------|
| 0 | 0.18 | | Satisfactory |
| 10 | 10.13 | 1.3 | Satisfactory |
| 20 | 19.74 | -1.3 | Satisfactory |
| 100 | 102.36 | 2.4 | Satisfactory |
| 800 | 796.41 | -0.4 | Satisfactory |

Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

- "Displayed Reading" presents the figures shown on item under calibration/ checking regardless of equipment precision or significant figures. The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted form relevant international standards.