

Annex G1

Calibration Certificates for Water Quality



專業化驗有限公司

QUALITY PRO TEST-CONSULT LIMITED

Unit 10, 14/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA070115
Date of Issue : 26 July 2021
Page No. : 1 of 2

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 : 15M100005
Date of Received : Jul 26, 2021
Date of Calibration : Jul 26, 2021
Date of Next Calibration^(a) : Oct 25, 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 | 4.02 | 0.02 | Satisfactory |
| 7.42 | 7.40 | -0.02 | Satisfactory |
| 10.01 | 10.02 | 0.01 | Satisfactory |

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

(2) Temperature

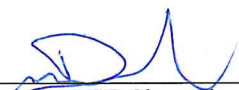
| Reading of Ref. thermometer (°C) | Displayed Reading (°C) | Tolerance (°C) | Results |
|----------------------------------|------------------------|----------------|--------------|
| 10 | 10.0 | 0.0 | Satisfactory |
| 25 | 25.1 | 0.1 | Satisfactory |
| 46 | 46.1 | 0.1 | Satisfactory |

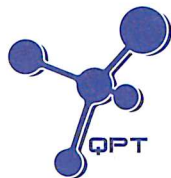
Tolerance limit of temperature should be less than ±2.0 (°C)

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Remark(s): -

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


LEE Chun-ning
Senior Chemist



專業化驗有限公司

QUALITY PRO TEST-CONSULT LIMITED

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA070115
Date of Issue : 26 July 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) | Results |
|-------------------------|--------------------------|------------------|--------------|
| 0.65 | 0.55 | -0.10 | Satisfactory |
| 3.69 | 4.01 | 0.32 | Satisfactory |
| 5.42 | 5.68 | 0.26 | Satisfactory |
| 7.47 | 7.71 | 0.24 | 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 ($\mu\text{S}/\text{cm}$) | Displayed Reading ($\mu\text{S}/\text{cm}$) | Tolerance (%) | Results |
|------------------|--|---|---------------|--------------|
| 0.001 | 146.9 | 148.1 | 0.82 | Satisfactory |
| 0.01 | 1412 | 1428 | 1.13 | Satisfactory |
| 0.1 | 12890 | 12841 | -0.38 | Satisfactory |
| 0.5 | 58670 | 58206 | -0.79 | Satisfactory |
| 1.0 | 111900 | 112406 | 0.45 | Satisfactory |

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

(5) Salinity

| Expected Reading (g/L) | Displayed Reading (g/L) | Tolerance (%) | Results |
|------------------------|-------------------------|---------------|--------------|
| 10 | 9.88 | -1.20 | Satisfactory |
| 20 | 20.24 | 1.20 | Satisfactory |
| 30 | 30.51 | 1.70 | Satisfactory |

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

(6) Turbidity

| Expected Reading (NTU) | Displayed Reading ^(f) (NTU) | Tolerance ^(g) (%) | Results |
|------------------------|--|------------------------------|--------------|
| 0 | 0.17 | -- | Satisfactory |
| 10 | 9.94 | -0.6 | Satisfactory |
| 20 | 19.68 | -1.6 | Satisfactory |
| 100 | 103.22 | 3.2 | Satisfactory |
| 800 | 795.17 | -0.6 | Satisfactory |

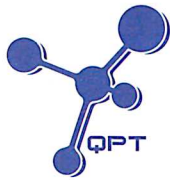
Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s) :-

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

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



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

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

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

| 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,e)

(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
^(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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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

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

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 ($\mu\text{S/cm}$) | Displayed Reading ($\mu\text{S/cm}$) | 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): -

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA080093
Date of Issue : 27 August 2021
Page No. : 1 of 2

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

| <u>Parameter</u> | <u>Reference Method</u> |
|----------------------|---|
| 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 |

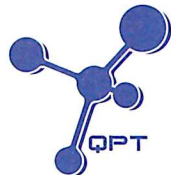
Tolerance limit of temperature should be less than ± 2.0 (°C)

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA080093
Date of Issue : 27 August 2021
Page No. : 2 of 2

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 ($\mu\text{S/cm}$) | Displayed Reading ($\mu\text{S/cm}$) | 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 |

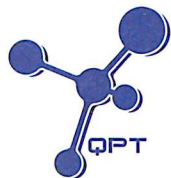
Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

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



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA060072
Date of Issue : 18 June 2021
Page No. : 1 of 2

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 : 18A104824
Date of Received : Jun 18, 2021
Date of Calibration : Jun 18, 2021
Date of Next Calibration^(a) : Sep 17, 2021

PART C – REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

| <u>Parameter</u> | <u>Reference Method</u> |
|----------------------|---|
| 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 | 7.43 | 0.01 | 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 |
| 25 | 24.9 | -0.1 | Satisfactory |
| 40 | 40.1 | 0.1 | Satisfactory |

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

~ CONTINUED ON NEXT PAGE ~

Remark(s): -

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^(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 from relevant international standards..


Lee Chun-ning, Desmond
Senior Chemist



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA060072
Date of Issue : 18 June 2021
Page No. : 2 of 2

PART D – CALIBRATION RESULTS (Cont'd)

(3) Dissolved Oxygen

| Expected Reading (mg/L) | Displayed Reading (mg/L) | Tolerance (mg/L) | Results |
|-------------------------|--------------------------|------------------|--------------|
| 0.05 | 0.22 | 0.17 | Satisfactory |
| 3.40 | 3.44 | 0.04 | Satisfactory |
| 5.03 | 5.46 | 0.43 | Satisfactory |
| 7.34 | 7.41 | 0.07 | 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 ($\mu\text{S/cm}$) | Displayed Reading ($\mu\text{S/cm}$) | Tolerance (%) | Results |
|------------------|---------------------------------------|--|---------------|--------------|
| 0.001 | 146.9 | 136.9 | -6.81 | Satisfactory |
| 0.01 | 1412 | 1328.1 | -5.94 | Satisfactory |
| 0.1 | 12890 | 12346.5 | -4.22 | Satisfactory |
| 0.5 | 58670 | 56584 | -3.56 | Satisfactory |
| 1.0 | 111900 | 108843 | -2.73 | 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 | 20.10 | 0.50 | Satisfactory |
| 30 | 29.81 | -0.63 | 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 | 9.91 | -0.9 | Satisfactory |
| 20 | 19.72 | -1.4 | Satisfactory |
| 100 | 96.93 | -3.1 | Satisfactory |
| 800 | 796.11 | -0.5 | Satisfactory |

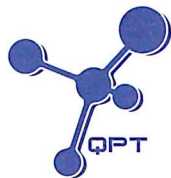
Tolerance limit of turbidity should be less than ± 10.0 (%)

~ END OF REPORT ~

Remark(s): -

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

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA090071
Date of Issue : 27 September 2021
Page No. : 1 of 2

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 : 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

| <u>Parameter</u> | <u>Reference Method</u> |
|----------------------|---|
| 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 ~

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
^(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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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Report No. : BA090071
Date of Issue : 27 September 2021
Page No. : 2 of 2

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 ($\mu\text{S/cm}$) | Displayed Reading ($\mu\text{S/cm}$) | 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): -

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

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