



Enovative Environmental Service Limited

REPORT OF EQUIPMENT CALIBRATION

INSTRUMENT DESCRIPTION

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler and the filter paper is weighted by HOKLAS laboratory.

Instrument: Handheld TSP meter
Brand Name: TSI
Model No.: AM520
Serial No.: 5201735004
Date of Calibration: 20 October, 2023
Date of Next Calibration : 20 October, 2024

ISSUING ORGANISATION

Address

Enovative Environmental Service Limited
Flat 23, 6/F, Block C, Goldfield Industrial Centre
1 Sui Wo Road
Shatin, N.T.
Hong Kong

Phone: 852-2242 1020
Fax: 852-3691 9240
Email: info@eno.com.hk



Thomas

Mr Wong Siu Ho, Thomas
Manager



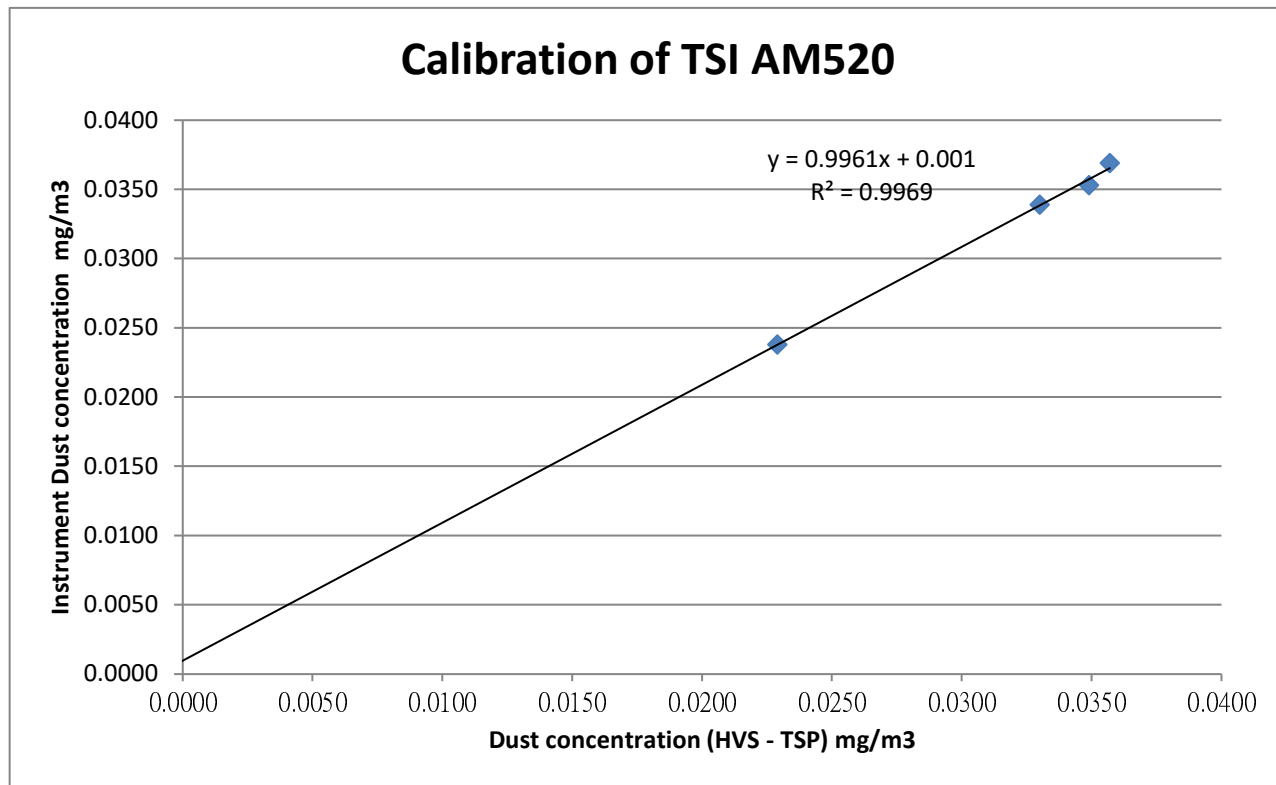
Enovative Environmental Service Limited

Brand Name: TSI
 Model No.: AM520
 Serial No.: 5201735004
 HVS No.: A12-TSP-102
 Date of Calibration: 20 October, 2023
 Date of next Calibration: 20 October, 2024

Calibration Record

| | | | | |
|-------------------|--------|--------|--------|--------|
| HVS - TSP (mg/m3) | 0.0229 | 0.0330 | 0.0357 | 0.0349 |
| TSI AM520 (mg/m3) | 0.0238 | 0.0339 | 0.0369 | 0.0353 |

| | |
|----------------------------------|--------|
| K Factor : | 0.9961 |
| Correlation Coefficient : | 0.9969 |



*** Filter paper being used in the calibration : 209591, 209592, 209593, 209594
 Those filter papers are weighted by HOKLAS laboratory (ALS Technichem (HK) Pty Ltd.)



Mr Wong Siu Ho, Thomas
 Manager



Enovative Environmental Service Limited

REPORT OF EQUIPMENT CALIBRATION

INSTRUMENT DESCRIPTION

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler and the filter paper is weighted by HOKLAS laboratory.

Instrument: Handheld TSP meter
Brand Name: TSI
Model No.: AM520
Serial No.: 5201735006
Date of Calibration: 20 October, 2023
Date of Next Calibration : 20 October, 2024

ISSUING ORGANISATION

Address

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Manager



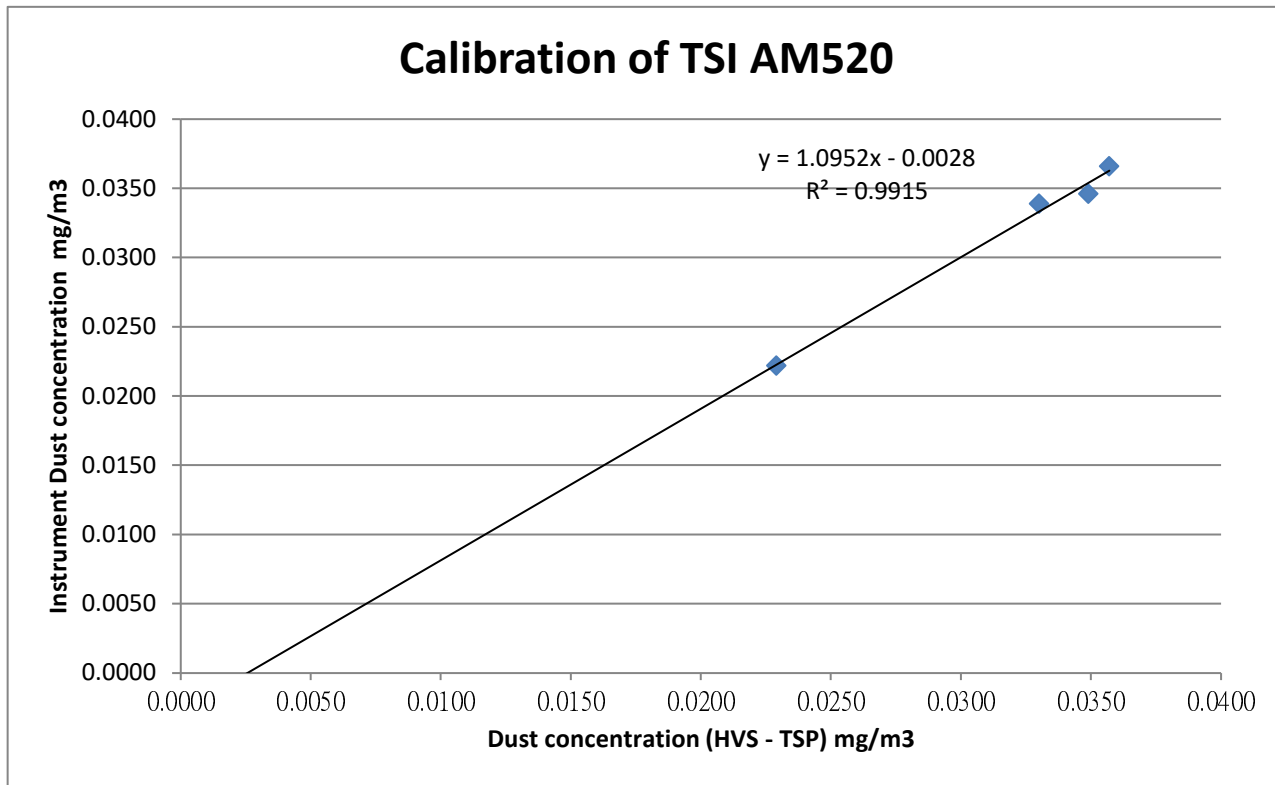
Enovative Environmental Service Limited

Brand Name: TSI
 Model No.: AM520
 Serial No.: 5201735006
 HVS No.: A12-TSP-102
 Date of Calibration: 20 October, 2023
 Date of next Calibration: 20 October, 2024

Calibration Record

| | | | | |
|-------------------|--------|--------|--------|--------|
| HVS - TSP (mg/m3) | 0.0229 | 0.0330 | 0.0357 | 0.0349 |
| TSI AM520 (mg/m3) | 0.0222 | 0.0339 | 0.0366 | 0.0346 |

| | |
|----------------------------------|--------|
| K Factor : | 1.0952 |
| Correlation Coefficient : | 0.9915 |



*** Filter paper being used in the calibration : 209591, 209592, 209593, 209594
 Those filter papers are weighted by HOKLAS laboratory (ALS Technichem (HK) Pty Ltd.)



Mr Wong Siu Ho, Thomas
 Manager



Enovative Environmental Service Limited

REPORT OF EQUIPMENT CALIBRATION

INSTRUMENT DESCRIPTION

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler and the filter paper is weighted by HOKLAS laboratory.

Instrument: Handheld TSP meter
Brand Name: TSI
Model No.: AM520
Serial No.: 5202345003
Date of Calibration: 21 January, 2024
Date of Next Calibration : 21 January, 2025

ISSUING ORGANISATION

Address

Enovative Environmental Service Limited
Flat 23, 6/F, Block C, Goldfield Industrial Centre
1 Sui Wo Road
Shatin, N.T.
Hong Kong

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Thomas

Mr Wong Siu Ho, Thomas
Manager



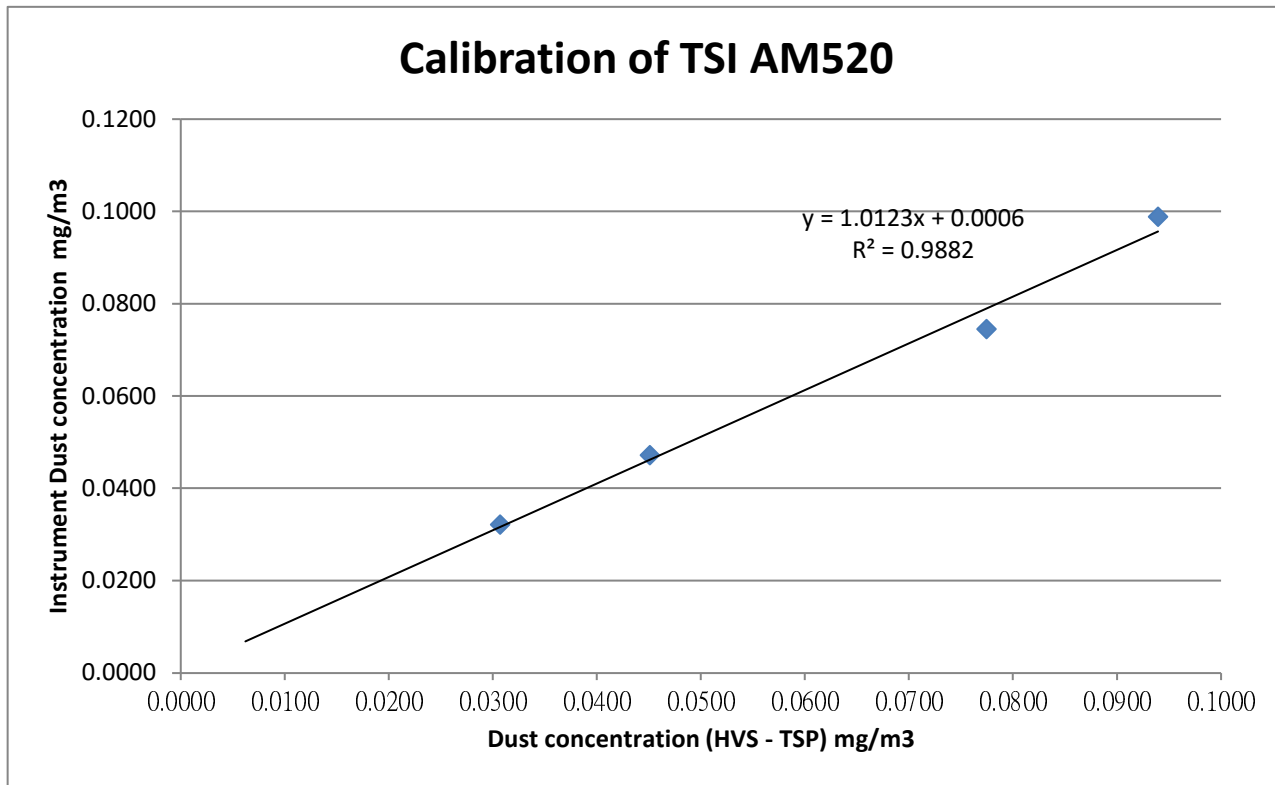
Enovative Environmental Service Limited

Brand Name: TSI
Model No.: AM520
Serial No.: 5202345003
HVS No.: A12-TSP-102
Date of Calibration: 21 January, 2024
Date of next Calibration: 21 January, 2025

Calibration Record

| | | | | |
|-------------------|--------|--------|--------|--------|
| HVS - TSP (mg/m3) | 0.0940 | 0.0451 | 0.0775 | 0.0307 |
| TSI AM520 (mg/m3) | 0.0988 | 0.0472 | 0.0745 | 0.0321 |

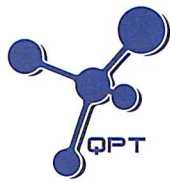
| | |
|----------------------------------|--------|
| K Factor : | 1.0123 |
| Correlation Coefficient : | 0.9882 |



*** Filter paper being used in the calibration : 209603, 209604, 209605, 209606
Those filter papers are weighted by HOKLAS laboratory (ALS Technichem (HK) Pty Ltd.)



Mr Wong Siu Ho, Thomas
Manager



專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED

Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong
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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BD090003
Date of Issue : 02 September 2024
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS Multi Parameters
Manufacturer : YSI
Serial Number : 16H104233
Date of Received : 30 August 2024
Date of Calibration : 30 August 2024
Date of Next Calibration : 30 November 2024
Request No. : D-BD090003

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

| Test Parameter | Reference Method |
|------------------|---|
| pH value | APHA 21e 4500-H ⁺ B |
| Temperature | Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure |
| Salinity | APHA 21e 2520 B |
| Dissolved oxygen | APHA 23e 4500-O G (Membrane Electrode Method) |
| Conductivity | APHA 21e 2510 B |
| Turbidity | APHA 21e 2130 B (Nephelometric Method) |

PART D - CALIBRATION RESULT

(1) pH value

| Target (pH unit) | Display Reading (pH unit) | Tolerance | Result |
|------------------|---------------------------|-----------|--------------|
| 4.00 | 4.03 | 0.03 | Satisfactory |
| 7.42 | 7.46 | 0.04 | Satisfactory |
| 10.01 | 10.10 | 0.09 | Satisfactory |

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

| Reading of Ref. thermometer (°C) | Display Reading (°C) | Tolerance | Result |
|----------------------------------|----------------------|-----------|--------------|
| 10.0 | 10.1 | 0.1 | Satisfactory |
| 20.0 | 20.0 | 0.0 | Satisfactory |
| 40.0 | 40.0 | 0.0 | Satisfactory |

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

(3) Salinity

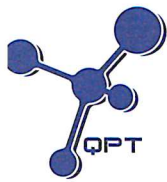
| Expected Reading (g/L) | Display Reading (g/L) | Tolerance (%) | Result |
|------------------------|-----------------------|---------------|--------------|
| 10 | 10.06 | 0.60 | Satisfactory |
| 20 | 19.98 | -0.10 | Satisfactory |
| 30 | 29.93 | -0.23 | Satisfactory |

Tolerance of Salinity should be less than ± 10.0 (%)

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AUTHORIZED
SIGNATORY:


LEE Chun-ning
Assistant Manager



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BD090003
Date of Issue : 02 September 2024
Page No. : 2 of 2

(4) Dissolved oxygen

| Expected Reading (mg/L) | Display Reading (mg/L) | Tolerance | Result |
|-------------------------|------------------------|-----------|--------------|
| 7.65 | 7.44 | -0.21 | Satisfactory |
| 5.23 | 5.10 | -0.13 | Satisfactory |
| 3.72 | 3.88 | 0.16 | Satisfactory |
| 0.30 | 0.10 | -0.20 | Satisfactory |

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(5) Conductivity

| Expected Reading ($\mu\text{S/cm}$ at 25°C) | Display Reading | Tolerance (%) | Result |
|--|-----------------|---------------|--------------|
| 146.9 | 151.7 | 3.3 | Satisfactory |
| 1412 | 1371 | -2.9 | Satisfactory |
| 12890 | 12824 | -0.5 | Satisfactory |
| 58670 | 59237 | 1.0 | Satisfactory |
| 111900 | 113225 | 1.2 | Satisfactory |

Tolerance of Conductivity should be less than ± 10.0 (%)

(6) Turbidity

| Expected Reading (NTU) | Display Reading (NTU) | Tolerance ^(a) (%) | Result |
|------------------------|-----------------------|------------------------------|--------------|
| 0 | 0.05 | -- | Satisfactory |
| 10 | 9.84 | -1.6 | Satisfactory |
| 20 | 19.52 | -2.4 | Satisfactory |
| 100 | 97.41 | -2.6 | Satisfactory |
| 800 | 811.20 | 1.4 | Satisfactory |

Tolerance of Turbidity should be less than ± 10.0 (%)

^(a) For 0 NTU, Display Reading should be less than 1 NTU

Remark(s)

- The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from 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.
- 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.

--- END OF REPORT ---



專業化驗有限公司
QUALITY PRO TEST-CONSULT LIMITED

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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BD090055
Date of Issue : 20 September 2024
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS Multi Parameters
Manufacturer : YSI
Serial Number : 21G105356
Date of Received : 17 September 2024
Date of Calibration : 17 September 2024
Date of Next Calibration : 16 December 2024
Request No. : D-BD090055

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

| Test Parameter | Reference Method |
|------------------|---|
| pH value | APHA 21e 4500-H ⁺ B |
| Temperature | Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure |
| Salinity | APHA 21e 2520 B |
| Dissolved oxygen | APHA 23e 4500-O G (Membrane Electrode Method) |
| Turbidity | APHA 21e 2130 B (Nephelometric Method) |
| Conductivity | APHA 21e 2510 B |

PART D - CALIBRATION RESULT

(1) pH value

| Target (pH unit) | Display Reading (pH unit) | Tolerance | Result |
|------------------|---------------------------|-----------|--------------|
| 4.00 | 4.02 | 0.02 | Satisfactory |
| 7.42 | 7.40 | -0.02 | Satisfactory |
| 10.01 | 10.10 | 0.09 | Satisfactory |

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

| Reading of Ref. thermometer (°C) | Display Reading (°C) | Tolerance | Result |
|----------------------------------|----------------------|-----------|--------------|
| 10.0 | 10.0 | 0.0 | Satisfactory |
| 25.0 | 25.0 | 0.0 | Satisfactory |
| 40.0 | 40.0 | 0.0 | Satisfactory |

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

(3) Salinity

| Expected Reading (g/L) | Display Reading (g/L) | Tolerance (%) | Result |
|------------------------|-----------------------|---------------|--------------|
| 10 | 10.06 | 0.6 | Satisfactory |
| 20 | 20.05 | 0.3 | Satisfactory |
| 30 | 30.14 | 0.46 | Satisfactory |

Tolerance of Salinity should be less than ± 10.0 (%)

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AUTHORIZED
SIGNATORY:


Lee Chun-ning
Assistant Manager



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BD090055
Date of Issue : 20 September 2024
Page No. : 2 of 2

(4) Dissolved oxygen

| Expected Reading (mg/L) | Display Reading (mg/L) | Tolerance | Result |
|---------------------------|--------------------------|-----------|--------------|
| 7.93 | 8.00 | 0.07 | Satisfactory |
| 6.02 | 6.12 | 0.10 | Satisfactory |
| 4.98 | 4.90 | -0.08 | Satisfactory |
| 1.41 | 1.40 | -0.01 | Satisfactory |

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(5) Turbidity

| Expected Reading (NTU) | Display Reading (NTU) | Tolerance (%) | Result |
|--------------------------|-------------------------|-----------------|--------------|
| 0 | 0.10 | -- | Satisfactory |
| 10 | 9.86 | -1.4 | Satisfactory |
| 20 | 19.34 | -3.3 | Satisfactory |
| 100 | 98.21 | -1.8 | Satisfactory |
| 800 | 798.52 | -0.2 | Satisfactory |

Tolerance of Turbidity should be less than ± 10.0 (%)

(6) Conductivity

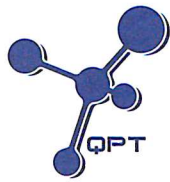
| Expected Reading ($\mu\text{S}/\text{cm}$ at 25°C) | Display Reading | Tolerance (%) | Result |
|--|-----------------|-----------------|--------------|
| 146.9 | 151.1 | 2.9 | Satisfactory |
| 1412 | 1496 | 5.9 | Satisfactory |
| 12890 | 13015 | 1.0 | Satisfactory |
| 58670 | 58390 | -0.5 | Satisfactory |
| 111900 | 112816 | 0.8 | Satisfactory |

Tolerance of Conductivity should be less than ± 10.0 (%)

Remark(s)

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- 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.

--- END OF REPORT ---



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REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BD090004
Date of Issue : 02 September 2024
Page No. : 1 of 2

PART A - CUSTOMER INFORMATION

Enovative Environmental Service Ltd.
Flat 2207, Yu Fun House Yu Chui Court, Shatin
New Territories (HK) Hong Kong

PART B - SAMPLE INFORMATION

Name of Equipment : YSI ProDSS Multi Parameters
Manufacturer : YSI
Serial Number : 21K101469
Date of Received : 30 August 2024
Date of Calibration : 30 August 2024
Date of Next Calibration : 30 November 2024
Request No. : D-BD090004

PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

| Test Parameter | Reference Method |
|------------------|---|
| pH value | APHA 21e 4500-H ⁺ B |
| Temperature | Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March 2008: Working Thermometer Calibration Procedure |
| Salinity | APHA 21e 2520 B |
| Dissolved oxygen | APHA 23e 4500-O G (Membrane Electrode Method) |
| Conductivity | APHA 21e 2510 B |
| Turbidity | APHA 21e 2130 B (Nephelometric Method) |

PART D - CALIBRATION RESULT

(1) pH value

| Target (pH unit) | Display Reading (pH unit) | Tolerance | Result |
|------------------|---------------------------|-----------|--------------|
| 4.00 | 4.06 | 0.06 | Satisfactory |
| 7.42 | 7.48 | 0.06 | Satisfactory |
| 10.01 | 10.09 | 0.08 | Satisfactory |

Tolerance of pH value should be less than ± 0.2 (pH unit)

(2) Temperature

| Reading of Ref. thermometer (°C) | Display Reading (°C) | Tolerance | Result |
|----------------------------------|----------------------|-----------|--------------|
| 10.0 | 10.0 | 0.0 | Satisfactory |
| 20.0 | 20.0 | 0.0 | Satisfactory |
| 40.0 | 40.0 | 0.0 | Satisfactory |

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

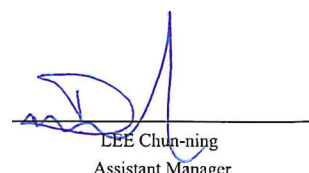
(3) Salinity

| Expected Reading (g/L) | Display Reading (g/L) | Tolerance (%) | Result |
|------------------------|-----------------------|---------------|--------------|
| 10 | 10.04 | 0.40 | Satisfactory |
| 20 | 20.10 | 0.50 | Satisfactory |
| 30 | 30.12 | 0.40 | Satisfactory |

Tolerance of Salinity should be less than ± 10.0 (%)

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AUTHORIZED
SIGNATORY:


LEE Chun-ning
Assistant Manager



REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION

Test Report No. : R-BD090004
Date of Issue : 02 September 2024
Page No. : 2 of 2

(4) Dissolved oxygen

| Expected Reading (mg/L) | Display Reading (mg/L) | Tolerance | Result |
|---------------------------|--------------------------|-----------|--------------|
| 7.65 | 7.57 | -0.08 | Satisfactory |
| 5.23 | 5.17 | -0.06 | Satisfactory |
| 3.72 | 3.79 | 0.07 | Satisfactory |
| 0.30 | 0.10 | -0.20 | Satisfactory |

Tolerance of Dissolved oxygen should be less than ± 0.5 (mg/L)

(5) Conductivity

| Expected Reading (μ S/cm at 25°C) | Display Reading | Tolerance (%) | Result |
|---|-----------------|-----------------|--------------|
| 146.9 | 151.0 | 2.8 | Satisfactory |
| 1412 | 1362 | -3.5 | Satisfactory |
| 12890 | 12813 | -0.6 | Satisfactory |
| 58670 | 58930 | 0.4 | Satisfactory |
| 111900 | 114176 | 2.0 | Satisfactory |

Tolerance of Conductivity should be less than ± 10.0 (%)

(6) Turbidity

| Expected Reading (NTU) | Display Reading (NTU) | Tolerance ^(a) (%) | Result |
|--------------------------|-------------------------|--------------------------------|--------------|
| 0 | 0.05 | -- | Satisfactory |
| 10 | 9.85 | -1.5 | Satisfactory |
| 20 | 19.66 | -1.7 | Satisfactory |
| 100 | 97.39 | -2.6 | Satisfactory |
| 800 | 811.10 | 1.4 | Satisfactory |

Tolerance of Turbidity should be less than ± 10.0 (%)

^(a) For 0 NTU, Display Reading should be less than 1 NTU

Remark(s)

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--- END OF REPORT ---



Hong Kong Accreditation Service
香港認可處

Certificate of Accreditation
認可證書

This is to certify that
特此證明

ALS TECHNICHEM (HK) PTY LIMITED

11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, New Territories, Hong Kong
香港新界葵涌永業街1-3號忠信針織中心11樓

*is accredited by the Hong Kong Accreditation Service (HKAS) to ISO/IEC 17025:2017
for performing specific laboratory activities as listed in the scope of accreditation within the test category of*
獲香港認可處根據ISO/IEC 17025:2017認可
進行載於認可範圍內下述測試類別中的指定實驗所活動

Environmental Testing
環境測試

*This accreditation to ISO/IEC 17025:2017 demonstrates technical competence for a defined scope and
the implementation of a management system relevant to laboratory operation*
(see joint IAF-ILAC-ISO Communiqué).
此項 ISO/IEC 17025:2017 的認可資格證明此實驗所具備指定範疇內所須的技術能力並
實施一套與實驗所運作相關的管理體系
(見國際認可論壇、國際實驗所認可合作組織及國際標準化組織的聯合公報)。

The common seal of HKAS is affixed hereto by the authority of the HKAS Executive
現經香港認可處執行機關授權在此蓋上香港認可處的印章

SHUM Wai-leung, Executive Administrator
執行幹事 沈偉良
Issue Date : 28 February 2020
簽發日期：二零二零年二月二十八日

Registration Number : **HOKLAS 066**
註冊號碼：



Date of First Registration : 15 September 1995
首次註冊日期：一九九五年九月十五日