



Level 4 Calibration Service Documentation

Client Information table with fields for Company, Address, and Phone.

Client Instrument table with fields for Manufacturer (RAININ), Model (XLS+ 20-200 ul /8), Serial # (I1386699T-01), and ID/User.

Laboratory Test Conditions table with fields for Temperature, Relative Humidity, Bar. Pressure, Water Den., Density Correction, Water Conductivity, and Evaporation Rate.

Laboratory Test Equipment table with fields for Test Balance Serial #, Model, Readability, NIST Cert. Date, and NIST Cert Due Date.

- Replacement Parts list with checkboxes for O-Ring, Seal, Friction Ring, Shaft/Nozzle, Plunger button, Plunger Button Cap, Calibration mechanism, Battery, Shaft/Nozzle Filter(s), Tip Ejector, Multi-Channel Tipcone, Housing Screw, and Other (see Comments).

Quality Control Authorization table with fields for QC Reviewer (MA), QC Date (17/Dec/2014), and Signature (Mike Anema, TTE Laboratory Manager).

The calibration results published in this certificate were obtained gravimetrically using Grade 3 purified water, equipment manufacturer or validated substitute tips, and ISO8655 compliant test equipment that are traceable to NIST and through NIST to the International System of Units (SI). TTE certifies that the above measuring device meets or exceeds all measurement tolerances, unless otherwise noted. TTE prohibits the reproduction of this document, except in its entirety.

Certificate ID section containing a barcode and the ID number: \* 1 2 1 7 2 0 1 4 - 1 1 3 8 6 6 9 9 T - 0 1 \*

Comments: PM Service performed.

Service Information table with fields for Service Date (17/Dec/2014), Certificate ID # (12172014-I1386699T-01), Test Technician (WC), and Next Due Date (30/Jun/2015).

As Found Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and various performance metrics like Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty (± uL / ±%).

Test Result: PASS PASS PASS

As Left Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and various performance metrics similar to the As Found Data table.

Test Result: PASS PASS PASS

PASS grade denotes that tolerances have been met according to OEM specifications, exclusive of measurement uncertainty. The risk for reporting a false PASS result is calculated to be < 2%. The reported expanded uncertainty value uses a coverage factor k=2 to a coverage probability of approximately 95%.



Level 4 Calibration Service Documentation

Client Information table with fields for Company, Address, and Phone.

Client Instrument table with fields for Manufacturer (RAININ), Model (XLS+ 20-200 ul /8), Serial # (I1386699T-02), and ID/User.

Laboratory Test Conditions table with fields for Temperature, Relative Humidity, Bar. Pressure, Water Den., Density Correction, Water Conductivity, and Evaporation Rate.

Laboratory Test Equipment table with fields for Test Balance Serial #, Model, Readability, NIST Cert. Date, and NIST Cert Due Date.

- Replacement Parts list with checkboxes for O-Ring, Seal, Friction Ring, Shaft/Nozzle, Plunger button, Plunger Button Cap, Calibration mechanism, Battery, Shaft/Nozzle Filter(s), Tip Ejector, Multi-Channel Tipcone, Housing Screw, and Other.

Quality Control Authorization table with fields for QC Reviewer (MA), QC Date (17/Dec/2014), and Signature (Mike Anema, TTE Laboratory Manager).

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Certificate ID section containing a barcode and the ID number: \* 1 2 1 7 2 0 1 4 - 1 1 3 8 6 6 9 9 T - 0 2 \*

Comments: PM Service performed.

Service Information table with fields for Service Date (17/Dec/2014), Certificate ID # (12172014-I1386699T-02), Test Technician (WC), and Next Due Date (30/Jun/2015).

As Found Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and various performance metrics like Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty.

Test Result: PASS PASS PASS

As Left Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and various performance metrics similar to the As Found Data table.

Test Result: PASS PASS PASS

PASS grade denotes that tolerances have been met according to OEM specifications, exclusive of measurement uncertainty. The risk for reporting a false PASS result is calculated to be < 2%. The reported expanded uncertainty value uses a coverage factor k=2 to a coverage probability of approximately 95%.



Level 4 Calibration Service Documentation

Client Information table with fields for Company, Address, and Phone.

Client Instrument table with fields for Manufacturer (RAININ), Model (XLS+ 20-200 ul /8), Serial # (I1386699T-03), and ID/User.

Laboratory Test Conditions table with fields for Temperature, Relative Humidity, Bar. Pressure, Water Den., Density Correction, Water Conductivity, and Evaporation Rate.

Laboratory Test Equipment table with fields for Test Balance Serial #, Model, Readability, NIST Cert. Date, and NIST Cert Due Date.

- Replacement Parts checklist including O-Ring, Seal, Friction Ring, Shaft/Nozzle, Plunger button, Plunger Button Cap, Calibration mechanism, Battery, Shaft/Nozzle Filter(s), Tip Ejector, Multi-Channel Tipcone, Housing Screw, and Other (see Comments).

Quality Control Authorization table with fields for QC Reviewer (MA), QC Date (17/Dec/2014), and Signature (Mike Anema, TTE Laboratory Manager).

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Certificate ID section containing a barcode and the ID number: \* 1 2 1 7 2 0 1 4 - 1 1 3 8 6 6 9 9 T - 0 3 \*

Comments: PM Service performed.

Service Information table with fields for Service Date (17/Dec/2014), Certificate ID # (12172014-I1386699T-03), Test Technician (WC), and Next Due Date (30/Jun/2015).

As Found Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and various performance metrics like Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty (± uL / ±%).

Test Result: PASS PASS PASS

As Left Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and various performance metrics similar to the As Found Data table.

Test Result: PASS PASS PASS

PASS grade denotes that tolerances have been met according to OEM specifications, exclusive of measurement uncertainty. The risk for reporting a false PASS result is calculated to be < 2%. The reported expanded uncertainty value uses a coverage factor k=2 to a coverage probability of approximately 95%.



Level 4 Calibration Service Documentation

Client Information table with fields for Company, Address, and Phone.

Client Instrument table with fields for Manufacturer (RAININ), Model (XLS+ 20-200 ul /8), Serial # (I1386699T-04), and ID/User.

Laboratory Test Conditions table with fields for Temperature, Relative Humidity, Bar. Pressure, Water Den., Density Correction, Water Conductivity, and Evaporation Rate.

Laboratory Test Equipment table with fields for Test Balance Serial #, Model, Readability, NIST Cert. Date, and NIST Cert Due Date.

- Replacement Parts checklist including O-Ring, Seal, Friction Ring, Shaft/Nozzle, Plunger button, Plunger Button Cap, Calibration mechanism, Battery, Shaft/Nozzle Filter(s), Tip Ejector, Multi-Channel Tipcone, Housing Screw, and Other (see Comments).

Quality Control Authorization table with fields for QC Reviewer (MA), QC Date (17/Dec/2014), and Signature (Mike Anema, TTE Laboratory Manager).

The calibration results published in this certificate were obtained gravimetrically using Grade 3 purified water, equipment manufacturer or validated substitute tips, and ISO8655 compliant test equipment that are traceable to NIST and through NIST to the International System of Units (SI). TTE certifies that the above measuring device meets or exceeds all measurement tolerances, unless otherwise noted. TTE prohibits the reproduction of this document, except in its entirety.

Certificate ID section containing a barcode and the alphanumeric ID: \* 1 2 1 7 2 0 1 4 - 1 1 3 8 6 6 9 9 T - 0 4 \*

Comments: PM Service performed.

Service Information table with fields for Service Date (17/Dec/2014), Certificate ID # (12172014-I1386699T-04), Test Technician (WC), and Next Due Date (30/Jun/2015).

As Found Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and various performance metrics like Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty (± uL / ±%).

Test Result: PASS PASS PASS

As Left Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and various performance metrics similar to the As Found Data table.

Test Result: PASS PASS PASS

PASS grade denotes that tolerances have been met according to OEM specifications, exclusive of measurement uncertainty. The risk for reporting a false PASS result is calculated to be < 2%. The reported expanded uncertainty value uses a coverage factor k=2 to a coverage probability of approximately 95%.



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Client Information table with fields for Company, Address, and Phone.

Client Instrument table with fields for Manufacturer (RAININ), Model (XLS+ 20-200 ul /8), Serial # (I1386699T-05), and ID/User.

Laboratory Test Conditions table with fields for Temperature, Relative Humidity, Bar. Pressure, Water Den., Density Correction, Water Conductivity, and Evaporation Rate.

Laboratory Test Equipment table with fields for Test Balance Serial #, Model, Readability, NIST Cert. Date, and NIST Cert Due Date.

- Replacement Parts checklist including O-Ring, Seal, Friction Ring, Shaft/Nozzle, Plunger button, Plunger Button Cap, Calibration mechanism, Battery, Shaft/Nozzle Filter(s), Tip Ejector, Multi-Channel Tipcone, Housing Screw, and Other (see Comments).

Quality Control Authorization table with fields for QC Reviewer (MA), QC Date (17/Dec/2014), and Signature (Mike Anema, TTE Laboratory Manager).

The calibration results published in this certificate were obtained gravimetrically using Grade 3 purified water, equipment manufacturer or validated substitute tips, and ISO8655 compliant test equipment that are traceable to NIST and through NIST to the International System of Units (SI). TTE certifies that the above measuring device meets or exceeds all measurement tolerances, unless otherwise noted. TTE prohibits the reproduction of this document, except in its entirety.

Certificate ID section containing a barcode and the ID number: \* 1 2 1 7 2 0 1 4 - 1 1 3 8 6 6 9 9 T - 0 5 \*

Comments: PM Service performed.

Service Information table with fields for Service Date (17/Dec/2014), Certificate ID # (12172014-I1386699T-05), Test Technician (WC), and Next Due Date (30/Jun/2015).

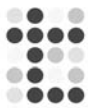
As Found Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and various performance metrics like Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty (± uL / ±%).

Test Result: PASS PASS PASS

As Left Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and various performance metrics similar to the As Found Data table.

Test Result: PASS PASS PASS

PASS grade denotes that tolerances have been met according to OEM specifications, exclusive of measurement uncertainty. The risk for reporting a false PASS result is calculated to be < 2%. The reported expanded uncertainty value uses a coverage factor k=2 to a coverage probability of approximately 95%.



Level 4 Calibration Service Documentation

Client Information table with fields for Company, Address, and Phone.

Client Instrument table with fields for Manufacturer (RAININ), Model (XLS+ 20-200 ul /8), Serial # (I1386699T-06), and ID/User.

Laboratory Test Conditions table with fields for Temperature, Relative Humidity, Bar. Pressure, Water Den., Density Correction, Water Conductivity, and Evaporation Rate.

Laboratory Test Equipment table with fields for Test Balance Serial #, Model, Readability, NIST Cert. Date, and NIST Cert Due Date.

- Replacement Parts checklist including O-Ring, Seal, Friction Ring, Shaft/Nozzle, Plunger button, Plunger Button Cap, Calibration mechanism, Battery, Shaft/Nozzle Filter(s), Tip Ejector, Multi-Channel Tipcone, Housing Screw, and Other (see Comments).

Quality Control Authorization table with fields for QC Reviewer (MA), QC Date (17/Dec/2014), and Signature (Mike Anema, TTE Laboratory Manager).

The calibration results published in this certificate were obtained gravimetrically using Grade 3 purified water, equipment manufacturer or validated substitute tips, and ISO8655 compliant test equipment that are traceable to NIST and through NIST to the International System of Units (SI). TTE certifies that the above measuring device meets or exceeds all measurement tolerances, unless otherwise noted. TTE prohibits the reproduction of this document, except in its entirety.

Certificate ID section containing a barcode and the ID number: \* 1 2 1 7 2 0 1 4 - 1 1 3 8 6 6 9 9 T - 0 6 \*

Comments: PM Service performed.

Service Information table with fields for Service Date (17/Dec/2014), Certificate ID # (12172014-I1386699T-06), Test Technician (WC), and Next Due Date (30/Jun/2015).

As Found Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty (± uL / ±%) for each.

Test Result: PASS PASS PASS

As Left Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty (± uL / ±%) for each.

Test Result: PASS PASS PASS

PASS grade denotes that tolerances have been met according to OEM specifications, exclusive of measurement uncertainty. The risk for reporting a false PASS result is calculated to be < 2%. The reported expanded uncertainty value uses a coverage factor k=2 to a coverage probability of approximately 95%.



Level 4 Calibration Service Documentation

Client Information table with fields for Company, Address, and Phone.

Client Instrument table with fields for Manufacturer (RAININ), Model (XLS+ 20-200 ul /8), Serial # (I1386699T-07), and ID/User.

Laboratory Test Conditions table with fields for Temperature, Relative Humidity, Bar. Pressure, Water Den., Density Correction, Water Conductivity, and Evaporation Rate.

Laboratory Test Equipment table with fields for Test Balance Serial #, Model, Readability, NIST Cert. Date, and NIST Cert Due Date.

- Replacement Parts checklist including O-Ring, Seal, Friction Ring, Shaft/Nozzle, Plunger button, Plunger Button Cap, Calibration mechanism, Battery, Shaft/Nozzle Filter(s), Tip Ejector, Multi-Channel Tipcone, Housing Screw, and Other (see Comments).

Quality Control Authorization table with fields for QC Reviewer (MA), QC Date (17/Dec/2014), and Signature (Mike Anema, TTE Laboratory Manager).

The calibration results published in this certificate were obtained gravimetrically using Grade 3 purified water, equipment manufacturer or validated substitute tips, and ISO8655 compliant test equipment that are traceable to NIST and through NIST to the International System of Units (SI). TTE certifies that the above measuring device meets or exceeds all measurement tolerances, unless otherwise noted. TTE prohibits the reproduction of this document, except in its entirety.

Certificate ID section containing a barcode and the ID number: \* 1 2 1 7 2 0 1 4 - 1 1 3 8 6 6 9 9 T - 0 7 \*

Comments: PM Service performed.

Service Information table with fields for Service Date (17/Dec/2014), Certificate ID # (12172014-I1386699T-07), Test Technician (WC), and Next Due Date (30/Jun/2015).

As Found Data table showing Test Volumes (µL) for 20, 100, and 200 µL, along with Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty (± uL / ±%).

Test Result: PASS PASS PASS

As Left Data table showing Test Volumes (µL) for 20, 100, and 200 µL, along with Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty (± uL / ±%).

Test Result: PASS PASS PASS

PASS grade denotes that tolerances have been met according to OEM specifications, exclusive of measurement uncertainty. The risk for reporting a false PASS result is calculated to be < 2%. The reported expanded uncertainty value uses a coverage factor k=2 to a coverage probability of approximately 95%.



Level 4 Calibration Service Documentation

Client Information table with fields for Company, Address, and Phone.

Client Instrument table with fields for Manufacturer (RAININ), Model (XLS+ 20-200 ul /8), Serial # (I1386699T-08), and ID/User.

Laboratory Test Conditions table with fields for Temperature, Relative Humidity, Bar. Pressure, Water Den., Density Correction, Water Conductivity, and Evaporation Rate.

Laboratory Test Equipment table with fields for Test Balance Serial #, Model, Readability, NIST Cert. Date, and NIST Cert Due Date.

- Replacement Parts checklist including O-Ring, Seal, Friction Ring, Shaft/Nozzle, Plunger button, Plunger Button Cap, Calibration mechanism, Battery, Shaft/Nozzle Filter(s), Tip Ejector, Multi-Channel Tipcone, Housing Screw, and Other (see Comments).

Quality Control Authorization table with fields for QC Reviewer (MA), QC Date (17/Dec/2014), and Signature (Mike Anema, TTE Laboratory Manager).

The calibration results published in this certificate were obtained gravimetrically using Grade 3 purified water, equipment manufacturer or validated substitute tips, and ISO8655 compliant test equipment that are traceable to NIST and through NIST to the International System of Units (SI). TTE certifies that the above measuring device meets or exceeds all measurement tolerances, unless otherwise noted. TTE prohibits the reproduction of this document, except in its entirety.

Certificate ID section containing a barcode and the alphanumeric ID: \* 1 2 1 7 2 0 1 4 - 1 1 3 8 6 6 9 9 T - 0 8 \*

Comments: PM Service performed.

Service Information table with fields for Service Date (17/Dec/2014), Certificate ID # (12172014-I1386699T-08), Test Technician (WC), and Next Due Date (30/Jun/2015).

As Found Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty (± uL / ±%) for each.

Test Result: PASS PASS PASS

As Left Data table showing Test Volumes (µL) for 20, 100, and 200 µL, and Mean (mg), Density Corr., Mean (ul), Accuracy (% Dev), Inaccuracy Tolerance, Precision (CV%), Imprecision Tolerance, and Test Uncertainty (± uL / ±%) for each.

Test Result: PASS PASS PASS

PASS grade denotes that tolerances have been met according to OEM specifications, exclusive of measurement uncertainty. The risk for reporting a false PASS result is calculated to be < 2%. The reported expanded uncertainty value uses a coverage factor k=2 to a coverage probability of approximately 95%.