

Test Report of the Test Unit.....to specify the name.....
 who is a person carrying out the test on the prototype of the meter for liquids
 Trademark..... Model..... Maximum Flowrate..... Detailed Reading.....

Table 1 Result of Visual Inspection

No.	Characteristics of the Prototype of the Meter for Liquids as Inspected	Result of Inspection (to mark ✓ or ✗ in the case of inaccuracy, please explain details)		
		Accuracy	Inaccuracy	Details (please specify)
1	It is made of good materials, designed and produced in a manner that when it is used as usual, it can always operate accurately. The components of the meter can operate continuously without defect, bend or deformation.			
2	The indication of the capacity range or flowrate of the meter shall be given in Thai or Arabic numbers and Thai alphabets or alphabets or symbols as stipulated by the Minister.			
3	A unit of measurement is the metric system.			
4	There is a device for indicating a measured quantity that is in a satisfactory manner, in a sufficient number for operation, and does not cause confusion in reading values.			
5	The inscriptions of all of the controllers for operation, the indicating device and other equipment, including the switch of the meter shall be legible, clear and indelible.			
6	There is a space for a tamper-evident seal so as to prevent unauthorized alterations after the inspection and verification. The meter shall be modified or repaired after the seal is destroyed.			

No.	Characteristics of the Prototype of the Meter for Liquids as Inspected	Result of Inspection (to mark ✓ or ✗ in the case of inaccuracy, please explain details)		
		Accuracy	Inaccuracy	Details (please specify)
7	There is a main indicating device.			
8	An indicating device shall indicate the name or symbol of a unit of measurement. The principal scale mark shall indicate the value in the form 1×10^k , 2×10^k or 5×10^k , whereby k is a positive or negative integer or zero.			
9	The following details and data shall be legible, clear and indelible : - the name or trademark of a manufacturer or an importer, - the model that is specified the form of the meter, - the year of manufacture, - the maximum flowrate and the minimum flowrate $Q_{\max}$ =litre/minute, $Q_{\min}$ =litre/minute, - minimum and maximum temperatures, - the minimum and maximum pressures of liquid, - the temperature range of the liquid as measured, - the viscosity range or the type of the product as used, - the minimum measured quantity of the system, - a zero setting device for a quantity indicating device, - the accuracy class of the dynamic measuring systems of liquids other than water ☐ Class 0.3 ☐ Class 0.5 ☐ Class 1.0			

Table 2 Result of Accuracy Test at Minimum Measured Quantity of the System (MMQ)

Conditions while Testing at Laboratory	Starting	Ending
Temperature (°C)		
Atmospheric Pressure (kPa)		
Relative Humidity (%)		
Time		

☐ In the Case of Testing by a Prover Tank as a Standard

Minimum Measured Quantity of the System : MMQ.....

1. Test of MMQ at Low Flowrate (20%Q_{max}).....

Date of Testing													
Prover Tank as Standard No.....							Meter No.....Brand.....						
Capacity Range.....Temperature.....							Model.....Serial No.....						
S.P.S. Expansion by Area.....Material.....							Size of Meter (inches).....Maximum Flowrate.....						
Density.....Product as Inspected.....							Minimum Flowrate.....						
No.	Flowrate	Prover Tank as Standard					Meter as Tested						
		Quantity as Read	Temperature TP	CtIP	CtsP	Real Quantity (3)*(5)*(6)	Quantity as Read	Temperature Tm	Pressure Pm	CtIm	Cplm	Quantity as Measured (8)*(11)*(12)	Meter Error (7 - 13)/7 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1													
2													
3													

Test Result

☐ Pass

☐ Not Pass

Criteria for Consideration

Meter Error $\leq E_{\min}$

$E_{\min} = (2 * MMQ) * (B/100)$ when B is the maximum permissible error according to the table.

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems of liquids other than water (B).	0.2%	0.3%	0.6%

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cts means correction for the effect of temperature on a steel.

Cpl means correction for the effect of pressure on a liquid.

2. Test of MMQ at High Flowrate (80%Q_{max}).....

Date of Testing													
Prover Tank as Standard No.....							Meter No.....Brand.....						
Capacity Range.....Temperature.....							Model.....Serial No.....						
S.P.S. Expansion by Area.....Material.....							Size of Meter (inches).....Maximum Flowrate.....						
Density.....Product as Inspected.....							Minimum Flowrate.....						
No.	Flowrate	Prover Tank as Standard					Meter as Tested						
		Quantity as Read	Temperature TP	CtlP	CtsP	Real Quantity (3)*(5)*(6)	Quantity as Read	Temperature Tm	Pressure Pm	Ctlm	Cplm	Quantity as Measured (8)*(11)*(12)	Meter Error (7 - 13)/7 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1													
2													
3													

Test Result

☐ Pass

☐ Not Pass

Criteria for Consideration

Meter Error $\leq E_{min}$

$E_{min} = (2 * MMQ) * (B/100)$ when B is the maximum permissible error according to the table.

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cts means correction for the effect of temperature on a steel.

Cpl means correction for the effect of pressure on a liquid.

☐ In the Case of Testing by a Master Meter

Minimum Measured Quantity of the System : MMQ.....

1. Test of MMQ at Low Flowrate ($20\%Q_{max}$).....

Date of Testing.....														
Master Meter No.....TYPE&SIZE.....								Meter No.....TYPE&SIZE.....						
Meter-factor (MFMM).....								Model.....Serial No.....						
Reference Temperature.....								Normal Flowrate.....Maximum Flowrate.....						
Product as Inspected.....Density.....								Minimum Flowrate.....						
No.	Flowrate	Master Meter						Meter as Tested						
		Quantity as Read	Temperature TMM	Pres Sure PMM	Cpl MM	Ctl MM	Real Quantity (3)*(6)*(7)	Quantity as Read	Temperature Tm	Pressure Pm	Cplm	Ctlm	Real Quantity (9)*(12)*(13)	Meter Error (8 - 14)/8 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1														
2														
3														

Test Result

☐ Pass

☐ Not Pass

Criteria for Consideration

Meter Error $\leq E_{min}$

$E_{min} = (2 * MMQ) * (B/100)$ when B is the maximum permissible error according to the table.

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cpl means correction for the effect of pressure on a liquid.

2. Test of MMQ at High Flowrate ($80\%Q_{\max}$).....

Date of Testing.....														
Master Meter No.....TYPE&SIZE.....								Meter No.....TYPE&SIZE.....						
Meter-factor (MFMM).....								Model.....Serial No.....						
Reference Temperature.....								Normal Flowrate.....Maximum Flowrate.....						
Product as InspectedDensity.....								Minimum Flowrate.....						
No.	Flow rate	Master Meter						Meter as Tested						
		Quantity as Read	Temperature TMM	Pressure PMM	Cpl MM	Ctl MM	Real Quantity (3)*(6)*(7)	Quantity as Read	Temperature Tm	Pressure Pm	Cplm	Ctlm	Real Quantity (9)*(12)*(13)	Meter Error (8-14)/8 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1														
2														
3														

Test Result

☐ Pass

☐ Not Pass

Criteria for Consideration

Meter Error $\leq E_{\min}$

$E_{\min} = (2 * MMQ) * (B/100)$ when B is the maximum permissible error according to the table.

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cpl means correction for the effect of pressure on a liquid.

☐ In the Case of Testing by a Weighing Scale

Minimum Measured Quantity of the System : MMQ.....

1. Test of MMQ at Low Flowrate (20%Q_{max}).....

Date of Testing.....												
Weighing Scale No.....Brand.....						Meter No.....Brand.....						
Model.....Serial No.....						Model.....Serial No.....						
Capacity Range.....						Size of Meter (inches).....Maximum Flowrate.....						
Detailed Reading (d).....						Flowrate.....						
No.	Flowrate	Weighing Scale				Meter as Tested						
		Weight as Measured	Temperature T _m	Pressure P _m	Real Quantity (3)*(5)	Quantity as Read	Temperature T _m	Pressure P _m	Cplm	Ctlm	Real Quantity (7)*(10)*(11)	Meter Error (6 - 12)/12 * 100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1												
2												
3												

Test Result

☐ Pass

☐ Not Pass

Criteria for Consideration

Meter Error $\leq E_{min}$

$E_{min} = (2 * MMQ) * (B/100)$ when B is the maximum permissible error according to the table.

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cpl means correction for the effect of pressure on a liquid.

2. Test of MMQ at High Flowrate ($80\%Q_{\max}$).....

Date of Testing.....												
Weighing Scale No.....Brand						Meter No.....Brand.....						
Model.....Serial No.....						Model.....Serial No.....						
Capacity Range.....						Size of Meter (inches).....Maximum Flowrate.....						
Detailed Reading (d).....						Flowrate.....						
No.	Flowrate	Weighing Scale				Meter as Tested						
		Weight as Measured	Temperature T _m	Pressure P _m	Real Quantity (3)*(5)	Quantity as Read	Temperature T _m	Pressure P _m	Cplm	Ctlm	Real Quantity (7)*(10)*(11)	Meter Error (6-12)/12 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1												
2												
3												

Test Result

☐ Pass

☐ Not Pass

Criteria for Consideration

Meter Error $\leq E_{\min}$

$E_{\min} = (2 * \text{MMQ}) * (B/100)$ when B is the maximum permissible error according to the table.

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cpl means correction for the effect of pressure on a liquid.

Table 3 Result of Accuracy Test and Repeatability Test

☐ In the Case of Testing by a Prover Tank as a Standard

1. Test at Low Flowrate (20%Q_{max}).....

Date of Testing.....													
Prover Tank as Standard No.....							Meter No.....Brand.....						
Capacity Range.....Temperature.....							Model.....Serial No.....						
S.P.S. Expansion by Area.....Material.....							Size of Meter (inches).....Maximum Flowrate.....						
Density.....Product as Inspected.....							Minimum Flowrate.....						
No.	Flowrate	Prover Tank as Standard					Meter as Tested						
		Quantity as Read	Temperature TP	CtIP	CtsP	Real Quantity (3)*(5)*(6)	Quantity as Read	Temperature Tm	Pressure Pm	Ctlm	Cplm	Quantity as Measured (8)*(11)*(12)	Meter Error (7 - 13)/7 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1													
2													
3													

Meter Error =
$$\frac{\text{a real quantity as read from a standard} - \text{a real quantity as read from a meter}}{\text{a real quantity as read from a standard}} \times 100\%$$

Result of Accuracy Test

☐ Pass

☐ Not Pass

Criteria for Consideration Meter Error ≤ MPE

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

$$\text{Repeatability} = (\text{the maximum meter error} - \text{the minimum meter error}) \times 100 \% =$$

.....

Result of Repeatability Test

☐ Pass

☐ Not Pass

Criteria for Consideration Repeatability not exceeding 2 out of 5 of MPE

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cts means correction for the effect of temperature on a steel.

Cpl means correction for the effect of pressure on a liquid.

2. Test at Medium Flowrate ($25\%Q_{\max}$ - $40\%Q_{\max}$) =

[illegible]

$$\text{Meter Error} = \frac{\text{a real quantity as read from a standard} - \text{a real quantity as read from a meter}}{\text{a real quantity as read from a standard}} \times 100\%$$

Result of Accuracy Test

☐ Pass☐ Not PassCriteria for Consideration Meter Error $\leq$ MPE

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Repeatability = (the maximum meter error – the minimum meter error) X 100 % =

.....

Result of Repeatability Test

☐ Pass☐ Not Pass

Criteria for Consideration Repeatability not exceeding 2 out of 5 of MPE

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cts means correction for the effect of temperature on a steel.

Cpl means correction for the effect of pressure on a liquid.

3. Test at High Flowrate ($80\%Q_{\max}$ - $100\%Q_{\max}$) =

Date of Testing.....	
Prover Tank as Standard No.....	Meter No.....Brand.....
Capacity Range.....Temperature.....	Model.....Serial No.....
S.P.S. Expansion by Area.....Material.....	Size of Meter (inches).....Maximum Flowrate.....
Density.....Product as Inspected.....	Minimum Flowrate

No.	Flowrate	Prover Tank as Standard					Meter as Tested						
		Quantity as Read	Tempe rature TP	CtlP	CtsP	Real Quantity (3)*(5)*(6)	Quantity as Read	Tempe rature Tm	Pressure Pm	Ctlm	Cplm	Quantity as Measured (8)*(11)*(12)	Meter Error (7 - 13)/7 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1													
2													
3													

Meter Error =
$$\frac{\text{a real quantity as read from a standard} - \text{a real quantity as read from a meter}}{\text{a real quantity as read from a standard}} \times 100\%$$

Result of Accuracy Test

☐ Pass

☐ Not Pass

Criteria for Consideration Meter Error $\leq$ MPE

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Repeatability = (the maximum meter error – the minimum meter error) X 100 % =

.....

Result of Repeatability Test

☐ Pass

☐ Not Pass

Criteria for Consideration Repeatability not exceeding 2 out of 5 of MPE

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cts means correction for the effect of temperature on a steel.

Cpl means correction for the effect of pressure on a liquid.

☐ In the Case of Testing by a Master Meter

 1. Test at Low Flowrate ($20\%Q_{max}$).....

Date of Testing.....														
Master Meter No.....TYPE&SIZE.....								Meter No.....TYPE&SIZE.....						
Meter-factor (MFMM).....								Model.....Serial No.....						
Reference Temperature.....								Normal Flowrate.....Maximum Flowrate.....						
Product as Inspected.....Density.....								Minimum Flowrate.....						
No.	Flow rate	Master Meter						Meter as Tested						
		Quantity as Read	Temperature TMM	Pressure PMM	Cpl MM	Ctl MM	Real Quantity (3)*(6)*(7)	Quantity as Read	Temperature Tm	Pressure Pm	Cplm	Ctlm	Real Quantity (9)*(12)*(13)	Meter Error (8- 14)/8 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1														
2														
3														

Meter Error = $\frac{\text{a real quantity as read from a standard} - \text{a real quantity as read from a meter}}{\text{a real quantity as read from a standard}} \times 100\%$

Result of Accuracy Test
☐ Pass

☐ Not Pass

Criteria for Consideration Meter Error $\leq$ MPE

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Repeatability = (the maximum meter error – the minimum meter error) X 100 % =

.....

Result of Repeatability Test
☐ Pass

☐ Not Pass

Criteria for Consideration Repeatability not exceeding 2 out of 5 of MPE

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cpl means correction for the effect of pressure on a liquid.

2. Test at Medium Flowrate ($25\%Q_{\max} - 40\%Q_{\max}$) =

Date of Testing.....														
Master Meter No.....TYPE&SIZE.....								Meter No.....TYPE&SIZE.....						
Meter-factor (MFMM).....								Model.....Serial No.....						
Reference Temperature								Normal Flowrate.....Maximum Flowrate.....						
Product as Inspected.....Density.....								Minimum Flowrate.....						
No.	Flow rate	Master Meter						Meter as Tested						
		Quantity as Read	Temperature TMM	Pressure PMM	Cpl MM	Ctl MM	Real Quantity (3)*(6)*(7)	Quantity as Read	Temperature Tm	Pressure Pm	Cplm	Ctlm	Real Quantity (9)*(12)*(13)	Meter Error (8- 14)/8 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1														
2														
3														

Meter Error =
$$\frac{\text{a real quantity as read from a standard} - \text{a real quantity as read from a meter}}{\text{a real quantity as read from a standard}} \times 100\%$$

Result of Accuracy Test

☐ Pass

☐ Not Pass

Criteria for Consideration Meter Error $\leq$ MPE

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Repeatability = (the maximum meter error – the minimum meter error) X 100 % =

.....

Result of Repeatability Test

☐ Pass

☐ Not Pass

Criteria for Consideration Repeatability not exceeding 2 out of 5 of MPE

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cpl means correction for the effect of pressure on a liquid.

3. Test at High Flowrate ($80\%Q_{\max}$ - $100\%Q_{\max}$) =

Date of Testing.....														
Master Meter No.....TYPE&SIZE.....								Meter No.....TYPE&SIZE						
Meter-factor (MFMM).....								Model.....Serial No.....						
Reference Temperature.....								Normal Flowrate.....Maximum Flowrate.....						
Product as Inspected.....Density.....								Minimum Flowrate.....						
No.	Flow rate	Master Meter						Meter as Tested						
		Quantity as Read	Temperature TMM	Pressure PMM	Cpl MM	Ctl MM	Real Quantity (3)*(6)*(7)	Quantity as Read	Temperature Tm	Pressure Pm	Cplm	Ctlm	Real Quantity (9)*(12)*(13)	Meter Error (8 - 14)/8 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1														
2														
3														

Meter Error =
$$\frac{\text{a real quantity as read from a standard} - \text{a real quantity as read from a meter}}{\text{a real quantity as read from a standard}} \times 100\%$$

Result of Accuracy Test

☐ Pass

☐ Not Pass

Criteria for Consideration Meter Error $\leq$ MPE

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

$$\text{Repeatability} = (\text{the maximum meter error} - \text{the minimum meter error}) \times 100 \% =$$

.....

Result of Repeatability Test

☐ Pass

☐ Not Pass

Criteria for Consideration Repeatability not exceeding 2 out of 5 of MPE

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cpl means correction for the effect of pressure on a liquid.

☐ In the Case of Testing by a Weighing Scale

1. Test at Low Flowrate ($20\%Q_{max}$).....

[illegible]

$$\text{Meter Error} = \frac{\text{a real quantity as read from a standard} - \text{a real quantity as read from a meter}}{\text{a real quantity as read from a standard}} \times 100\%$$

Result of Accuracy Test

☐ Pass☐ Not PassCriteria for Consideration Meter Error $\leq$ MPE

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Repeatability = (the maximum meter error – the minimum meter error) X 100 % =

.....

Result of Repeatability Test

☐ Pass☐ Not Pass

Criteria for Consideration Repeatability not exceeding 2 out of 5 of MPE

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cpl means correction for the effect of pressure on a liquid.

2. Test at Medium Flowrate ($25\%Q_{\max}$ - $40\%Q_{\max}$) =

Date of Testing.....	
Weighing Scale No.....Brand.....	Meter No.....Brand.....
Model.....Serial No.....	Model.....Serial No.....
Capacity Range.....Detailed Reading (d).....	Size of Meter (inches).....Maximum Flowrate.....
	Flowrate.....

No.	Flowrate	Weighing Scale				Meter as Tested						
		Weight as Measured	Temperature Tm	Pressure Pm	Real Quantity (3)*(5)	Quantity as Read	Temperature Tm	Pressure Pm	Cplm	Ctlm	Real Quantity (7)*(10)*(11)	Meter Error (6-12)/12 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1												
2												
3												

Meter Error =
$$\frac{\text{a real quantity as read from a standard} - \text{a real quantity as read from a meter}}{\text{a real quantity as read from a standard}} \times 100\%$$

Result of Accuracy Test ☐ Pass ☐ Not Pass

Criteria for Consideration Meter Error $\leq$ MPE

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Repeatability = (the maximum meter error – the minimum meter error) X 100 % =

Result of Repeatability Test ☐ Pass ☐ Not Pass

Criteria for Consideration Repeatability not exceeding 2 out of 5 of MPE

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cpl means correction for the effect of pressure on a liquid.

3. Test at High Flowrate ($80\%Q_{\max} - 100\%Q_{\max}$) =

Date of Testing.....												
Weighing Scale No.....Brand.....						Meter No.....Brand.....						
Model.....Serial No.....						Model.....Serial No.....						
Capacity Range.....Detailed Reading (d).....						Size of Meter (inches).....Maximum Flowrate.....						
Flowrate.....						Flowrate.....						
No.	Flowrate	Weighing Scale				Meter as Tested						
		Weight as Measured	Temperature Tm	Pressure Pm	Real Quantity (3)*(5)	Quantity as Read	Temperature Tm	Pressure Pm	Cplm	Ctlm	Real Quantity (7)*(10)*(11)	Meter Error (6 - 12)/12 *100
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1												
2												
3												

Meter Error = $\frac{\text{a real quantity as read from a standard} - \text{a real quantity as read from a meter}}{\text{a real quantity as read from a standard}} \times 100\%$

Result of Accuracy Test

☐ Pass

☐ Not Pass

Criteria for Consideration Meter Error $\leq$ MPE

	Maximum Permissible Errors (MPE)		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
A meter has not been installed in the dynamic measuring systems for liquids other than water (B).	0.2%	0.3%	0.6%

Repeatability = (the maximum meter error – the minimum meter error) X 100 % =

Result of Repeatability Test

☐ Pass

☐ Not Pass

Criteria for Consideration Repeatability not exceeding 2 out of 5 of MPE

Remarks

Ctl means correction for the effect of temperature on a liquid.

Cpl means correction for the effect of pressure on a liquid.

Table 4 Summary of Test Result

No.	Checklist of Testing	Test Result	
		Pass	Not Pass
1	Visual Inspection		
2	Accuracy Test at Minimum Measured Quantity of the System (MMQ)		
3	Accuracy Test		
	Repeatability Test		

I hereby certify that the aforementioned test results are correct and true in all respects.

(Signed).....Tester

(.....)

Position.....

Date Month B.E.

(Signed)..... Authorized person to

(a juristic person's seal (.....) bind a juristic person

to be stamped (if any)) Position.....

Date Month B.E.....