

**Notification of the Ministry of Commerce**

Regarding Prescription of Type and Characteristic of Meter for Liquids,  
Detail of Materials Used for Manufacture, Maximum Permissible Error  
and Term of Verification (No. 2)

-----

Whereas the Minister of Commerce, upon the recommendation of the Committee on Weights and Measures, already issued the Notification of the Ministry of Commerce regarding Prescription of Type and Characteristic of Meter for Liquids, Detail of Materials Used for Manufacture, Maximum Permissible Error and Term of Verification, dated 2<sup>nd</sup> October B.E. 2562 (2019), as amended by the Notification of the Ministry of Commerce regarding Cancellation of Prescription of Term of Verification of Measuring Instrument by Repairer under the Notification of the Ministry of Commerce regarding Prescription of Type, Characteristic, Detail of Materials Used for Manufacture, Maximum Permissible Error, Prohibition of Subsequent Verification and Term of Verification of Measuring Instrument, dated 15<sup>th</sup> November B.E. 2566 (2023), prescribing the type, the characteristic, the detail of the materials used for manufacture, the maximum permissible error, and the term of verification of a meter for liquids.

In order that the supervision of the meter for liquids in the type of the meter for fuel oil at petrol stations shall be efficient and in line with the use of the meter for liquids in the aforesaid type in trading or selling goods at present, resulting in fairness to all relevant parties, the Committee on Weights and Measures passed a resolution on 11<sup>th</sup> January B.E. 2567 (2024) approving amendments to the maximum permissible error for the inspection for providing initial verification and subsequent verification, the maximum permissible error for the inspection of the used meter for fuel oil at petrol stations, and the term of verification of the system of measuring the volume of fuel oil at petrol stations; by virtue of Section 5, Section 26 and Section 33 of the Measurement Act, B.E. 2542 (1999) as amended by the Measurement Act (No. 3), B.E. 2557 (2014), the Minister of Commerce, upon the recommendation of the Committee on Weights and Measures, therefore issues this Notification, as follows.

**DISCLAIMER:** THIS TEXT HAS BEEN PROVIDED FOR THE BENEFIT OF ACCESS TO INFORMATION ON LAW ONLY. THIS TEXT CANNOT BE USED AS A SOURCE OF REFERENCE. THE PROVISIONS OF THE LAW IN THE ONLY THAI-LANGUAGE VERSION CAN BE USED AS THE REFERENCE. THE DEPARTMENT OF INTERNAL TRADE SHALL ASSUME NO RESPONSIBILITY FOR ANY LIABILITIES ARISING FROM THE USE AND/OR REFERENCE OF THIS TEXT. THE ORIGINAL THAI TEXT AS FORMERLY ADOPTED AND PUBLISHED SHALL IN ALL EVENTS REMAIN THE SOLE AUTHORITY HAVING LEGAL FORCE.

**Article 1.** This Notification shall come into force as from the day following the date of its publication in the Government Gazette<sup>1</sup> onwards.

**Article 2.** The provision in paragraph three of Article 8 of the Notification of the Ministry of Commerce regarding Prescription of Type and Characteristic of Meter for Liquids, Detail of Materials Used for Manufacture, Maximum Permissible Error and Term of Verification, dated 2<sup>nd</sup> October B.E. 2562 (2019) shall be repealed, and the following provision shall be replaced :

“The maximum permissible errors for the inspection of an used meter shall be twice as much as the maximum permissible errors for providing the initial verification, but not including the meter for fuel oil at petrol stations.”

**Article 3.** The following provision shall be added to be paragraph four of Article 8 of the Notification of the Ministry of Commerce regarding Prescription of Type and Characteristic of Meter for Liquids, Detail of Materials Used for Manufacture, Maximum Permissible Error and Term of Verification, dated 2<sup>nd</sup> October B.E. 2562 (2019) :

“The maximum permissible errors for the inspection of the used meter for fuel oil at petrol stations shall be 0.5%.”

**Article 4.** The provisions in (1) and (2) of Article 20 of the Notification of the Ministry of Commerce regarding Prescription of Type and Characteristic of Meter for Liquids, Detail of Materials Used for Manufacture, Maximum Permissible Error and Term of Verification, dated 2<sup>nd</sup> October B.E. 2562 (2019) shall be repealed, and the following provisions shall be replaced :

“(1) When the test volume weighs 2 liters, 2 kilograms or more, it shall provide both positive and negative sides of the maximum permissible errors of the volume as displayed at the metering conditions or the volume as displayed at the base conditions conforming to the following table.

	Maximum Permissible Errors		
	Accuracy Class 0.3	Accuracy Class 0.5	Accuracy Class 1.0
Meter Installed in System of Measuring Volume of Liquids (A)	0.3%	0.3%	1.0%
Meter not Installed in System of Measuring Volume of Liquids (B)	0.2%	0.3%	0.6%

---

<sup>1</sup> Published in the Government Gazette, Volume 141, Special Part 49 d, Page 11, dated 20<sup>th</sup> February B.E. 2567 (2024).

(2) When the test volume is less than 2 litres or 2 kilograms, it shall provide both positive and negative sides of the maximum permissible errors of the volume as displayed at the metering conditions or the volume as displayed at the base conditions conforming to the following table.

Test Volume (litre or kilogram)		Maximum Permissible Errors of System of Measuring Volume of Liquids					
		Class 0.3		Class 0.5		Class 1.0	
0.02 to 0.1	A	1.2	ml	1.2	ml	4	ml
			g		g		g
	B	0.8	ml	1.2	ml	2.4	ml
			g		g		g
0.1 to 0.2	A	0.012 x MMQ	l	0.012 x MMQ	l	0.04 x MMQ	l
			kg		kg		kg
	B	0.008 x MMQ	l	0.012 x MMQ	l	0.024 x MMQ	l
			kg		kg		kg
0.2 to 0.4	A	2.4	ml	2.4	ml	8	ml
			g		g		g
	B	1.6	ml	2.4	ml	4.8	ml
			g		g		g
0.4 to 1.0	A	0.006 x MMQ	l	0.006 x MMQ	l	0.02 x MMQ	l
			kg		kg		kg
	B	0.004 x MMQ	l	0.006 x MMQ	l	0.012 x MMQ	l
1.0 to 2.0	A	6	ml	6	ml	20	ml
			g		g		g
	B	4	ml	6	ml	12	ml
			g		g		g

**Article 5.** The provision in paragraph one of Article 26 of the Notification of the Ministry of Commerce regarding Prescription of Type and Characteristic of Meter for Liquids, Detail of Materials Used for Manufacture, Maximum Permissible Error and Term of Verification, dated 2<sup>nd</sup> October B.E. 2562 (2019) shall be repealed, and the following provision shall be replaced :

**“Article 26.** The term of verification of the system of the meter for liquids shall be in accordance with particulars in the table as shown below.

Meters for Liquids	Term of Verification (from the date of providing the verification)
- System of Meter for Pipeline Transportation	2 Years
- System of Measuring Volume of Fuel Oil - System of Measuring Volume of Fuel Oil for Wholesale - System of Measuring Volume of Aviation Fuel Oil - System of Measurement Permanently Installed in Tanker or System of Measurement Permanently Installed in Mobile Tank for the Liquids with Dynamic Viscosity not Exceeding 20 mPa.s at Atmospheric Pressure - System of Measuring Volume of Milk - System of Measuring Volume of Vegetable Oil - System of Measuring Volume of Nectar Obtained from Plants	2 Years
- System of Meter for Liquefied Petroleum Gas - System of Measuring Volume of Liquefied Petroleum Gas at Petrol Stations or for Wholesale - System of Measurement of Liquids with Dynamic Viscosity Exceeding 1000 mPa.s - System of Measurement of Lubricating Oil Liquid - System of Measurement of Maximum Flowrate not Exceeding 20 Litres per Hour or not Exceeding 20 Kilograms per Hour	2 Years
- System of Measuring Volume of Fuel Oil at Petrol Stations	1 Year

**Article 6.** All of the meters for fuel oil at petrol stations which have been inspected and verified prior to the date when this Notification comes into force shall still be used until the verification shall expire.

Given on the 12<sup>th</sup> Day of February B.E. 2567 (2024)

Phumtham Wechayachai

Minister of Commerce