



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Calibration Laboratory

TÜMPET ULUSLARARASI BELGELENDİRME METROLOJİ LPG AKARYAKIT TEÇHİZATLARI SANAYİ VE
TİCARET LİMİTED ŞİRKETİ

Central Address: BAHÇEKAPI MAH. 2506 CAD. No:23/ ETİMESGUT/ANKARA Ankara / Türkiye

is accredited in accordance with TS EN ISO/IEC 17025:2017 standard within the scope given in Annex following the assessment conducted by TURKAK.

Accreditation Number : AB-0195-K

Accreditation Date : 12.01.2018

Revision Date / Number : 03.04.2026 / 07


This certificate shall remain in force until 10.01.2030, subject to continuing compliance with the standard TS EN ISO/IEC 17025:2017, related regulations and requirements.

Gülden Banu Müderrisoğlu
Secretary General



Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Agreement (MRA) in the scope of ISO/IEC 17025.

This document has been signed by Gülden Banu Müderrisoğlu with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.

 <p>Calibration TS EN ISO/IEC 17025 AB-0195-K</p>	TÜMPET ULUSLARARASI BELGELENDİRME METROLOJİ LPG AKARYAKIT TEÇHİZATLARI SANAYİ VE TİCARET LIMITED ŞİRKETİ		
	Accreditation Nr : AB-0195-K Revision Nr: 07 Date: 03.04.2026		
Calibration Laboratory			
Address : BAHÇEKAPI MAH. 2506 CAD. No:23/ ETİMESGUT/ANKARA Ankara / Türkiye		Phone : +903122784815 Fax : +903122784875 Email : info@tumpet.com.tr Website : www.tumpet.com.tr	

Calibration and Measurement Capability (CMC)

Weighing Tools

Measured Quantity / Calibrated Items	Range	Measurement Conditions	Expanded Measurement Uncertainty (k=2)	Remarks / Calibration Method
Non-automatic Weighing Devices Scales	$1 \text{ mg} \leq m \leq 1 \text{ kg}$	With E2 class reference weights	$2,3 \cdot 10^{-6}$	Calibration performed at the customer's site, temporary or mobile facilities in accordance with EURAMET cg-18. <i>m: applied load</i>
Non-automatic Weighing Devices Scales	$1 \text{ mg} \leq m \leq 65 \text{ kg}$	With F1 class reference weights	$7,2 \cdot 10^{-6}$	Calibration performed at the customer's site, temporary or mobile facilities in accordance with EURAMET cg-18. <i>m: applied load</i>
Non-automatic Weighing Devices Scales	$1 \text{ kg} \leq m \leq 20000 \text{ kg}$	With M1 class reference weights	$1,1 \cdot 10^{-4}$	Calibration performed at the customer's site, temporary or mobile facilities in accordance with EURAMET cg-18. <i>m: applied load</i>
Non-automatic Weighing Devices Scales	$2000 \text{ kg} \leq m \leq 100000 \text{ kg}$	With M1 class reference weights and substitution weights	$3,5 \cdot 10^{-4}$	Calibration performed at the customer's site, temporary or mobile facilities in accordance with EURAMET cg-18. <i>m: applied load</i>

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TÜMPET ULUSLARARASI BELGELENDİRME METROLOJİ LPG AKARYAKIT TEÇHİZATLARI SANAYİ VE TİCARET LIMITED ŞİRKETİ

Accreditation Nr : AB-0195-K
Revision Nr: 07 Date: 03.04.2026

Calibration and Measurement Capability (CMC)

Mass (Mass Standards)

Measured Quantity / Calibrated Items	Range	Measurement Conditions	Expanded Measurement Uncertainty (k=2)	Remarks / Calibration Method
Weight Standard F1 Standard Weights	5 kg	-	8 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F1 Standard Weights	10 kg	-	16 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F1 Standard Weights	20 kg	-	30 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F1 Standard Weights	50 kg	-	80 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	10 mg	-	0,025 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	20 mg	-	0,03 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	50 mg	-	0,04 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	100 mg	-	0,05 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	200 mg	-	0,06 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	500 mg	-	0,08 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	1 g	-	0,010 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	2 g	-	0,12 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.



Accreditation Scope



TÜMPET ULUSLARARASI BELGELENDİRME METROLOJİ LPG AKARYAKIT TEÇHİZATLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ

Accreditation Nr : AB-0195-K
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Weight Standard F2 Standard Weights	5 g	-	0,16 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	10 g	-	0,20 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	20 g	-	0,25 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	50 g	-	0,3 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	100 g	-	0,5 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	200 g	-	1,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	500 g	-	2,5 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	1 kg	-	5,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	2 kg	-	10 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	5 kg	-	25 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	10 kg	-	50 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	20 kg	-	0,1 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard F2 Standard Weights	50 kg	-	0,25 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.



Accreditation Scope



TÜMPET ULUSLARARASI BELGELENDİRME METROLOJİ LPG AKARYAKIT TEÇHİZATLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ

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Weight Standard F2 Standard Weights	500 kg	-	2,5 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	1 mg	-	0,06 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	2 mg	-	0,06 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	5 mg	-	0,06 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	10 mg	-	0,08 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	20 mg	-	0,10 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	50 mg	-	0,12 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	100 mg	-	0,16 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	200 mg	-	0,20 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	500 mg	-	0,25 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	1 g	-	0,3 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	2 g	-	0,4 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	5 g	-	0,5 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.



Accreditation Scope



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Weight Standard M1 Standard Weights	10 g	-	0,6 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	20 g	-	0,8 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	50 g	-	1,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	100 g	-	1,6 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	200 g	-	3,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	500 g	-	8,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	1 kg	-	16 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	2 kg	-	30 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	5 kg	-	80 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	10 kg	-	0,16 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	20 kg	-	0,30 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	50 kg	-	0,80 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M1 Standard Weights	100 kg	-	1,6 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.



Accreditation Scope



TÜMPET ULUSLARARASI BELGELENDİRME METROLOJİ LPG AKARYAKIT TEÇHİZATLARI SANAYİ VE TİCARET
LIMITED ŞİRKETİ

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Weight Standard M1 Standard Weights	200 kg	Calibration performed in the laboratory or may be on site.	3,0 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M1 Standard Weights	500 kg	Calibration performed in the laboratory or may be on site.	8,0 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M1 Standard Weights	1000 kg	Calibration performed in the laboratory or may be on site.	16,0 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M2 Standard Weights	100 mg	-	0,5 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M2 Standard Weights	200 mg	-	0,6 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M2 Standard Weights	500 mg	-	0,8 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M2 Standard Weights	1 g	-	1,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M2 Standard Weights	2 g	-	1,2 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M2 Standard Weights	5 g	-	1,6 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M2 Standard Weights	10 g	-	2,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M2 Standard Weights	20 g	-	2,5 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M2 Standard Weights	50 g	-	3,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.
Weight Standard M2 Standard Weights	100 g	-	5,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory.



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Weight Standard M2 Standard Weights	200 g	-	10 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M2 Standard Weights	500 g	-	25 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M2 Standard Weights	1 kg	-	50 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M2 Standard Weights	2 kg	-	0,10 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M2 Standard Weights	5 kg	-	0,25 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M2 Standard Weights	10 kg	-	0,50 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M2 Standard Weights	20 kg	-	1,0 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M2 Standard Weights	50 kg	-	2,5 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M2 Standard Weights	100 kg	Calibration performed in the laboratory or may be on site.	5,0 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M2 Standard Weights	200 kg	Calibration performed in the laboratory or may be on site.	10 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M2 Standard Weights	500 kg	Calibration performed in the laboratory or may be on site.	25 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M2 Standard Weights	1000 kg	Calibration performed in the laboratory or may be on site.	50 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M2 Standard Weights	2000 kg	Calibration performed in the laboratory or may be on site.	100 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.



Accreditation Scope



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Weight Standard M3 Standard Weights	1 g	-	3,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	2 g	-	4,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	5 g	-	5,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	10 g	-	6,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	20 g	-	8,0 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	50 g	-	10 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	100 g	-	16 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	200 g	-	30 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	500 g	-	80 mg	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	1 kg	-	0,16 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	2 kg	-	0,30 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	5 kg	-	0,80 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	10 kg	-	1,6 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>



Accreditation Scope



TÜMPET ULUSLARARASI BELGELENDİRME METROLOJİ LPG AKARYAKIT TEÇHİZATLARI SANAYİ VE TİCARET
LIMITED ŞİRKETİ

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Weight Standard M3 Standard Weights	20 kg	-	3,0 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	50 kg	-	8,0 g	Determination of the conventional mass value in accordance with OIML R111-1. <i>Calibration performed in the laboratory.</i>
Weight Standard M3 Standard Weights	100 kg	Calibration performed in the laboratory or may be on site.	16 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M3 Standard Weights	200 kg	Calibration performed in the laboratory or may be on site.	30 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M3 Standard Weights	500 kg	Calibration performed in the laboratory or may be on site.	80 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M3 Standard Weights	1000 kg	Calibration performed in the laboratory or may be on site.	160 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard M3 Standard Weights	2000 kg	Calibration performed in the laboratory or may be on site.	300 g	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. Weights may be calibrated on site.
Weight Standard Non-Standard Weights	$1 \text{ g} \leq m \leq 200 \text{ g}$	Manufactured from metal material	$0,07 \text{ mg} + 1,8 \cdot 10^{-3} \cdot m$	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. m: measured mass (g)
Weight Standard Non-Standard Weights	$200 \text{ g} < m \leq 1000 \text{ g}$	Manufactured from metal material	$2,4 \text{ mg} + 1,5 \cdot 10^{-3} \cdot m$	Determination of the conventional mass value in accordance with OIML R111-1. Calibration performed in the laboratory. m: measured mass (g)
Weight Standard Non-Standard Weights	$1 \text{ kg} < m \leq 60 \text{ kg}$	Manufactured from metal material	$0,005 \text{ g} + 2,3 \cdot 10^{-3} \cdot m$	Determination of the conventional mass value in accordance with OIML R111-1. Weights may be calibrated on site. m: measured mass (kg)
Weight Standard Non-Standard Weights	$60 \text{ kg} < m \leq 600 \text{ kg}$	Manufactured from metal material	$2,6 \text{ g} + 1,2 \cdot 10^{-5} \cdot m$	Determination of the conventional mass value in accordance with OIML R111-1. Weights may be calibrated on site. m: measured mass (kg)
Weight Standard Non-Standard Weights	$600 \text{ kg} < m \leq 3000 \text{ kg}$	Manufactured from metal material	$28 \text{ g} + 3,2 \cdot 10^{-5} \cdot m$	Determination of the conventional mass value in accordance with OIML R111-1. Weights may be calibrated on site. m: measured mass (kg)



 <p>Calibration TS EN ISO/IEC 17025 AB-0195-K</p>	<p>TÜMPET ULUSLARARASI BELGELENDİRME METROLOJİ LPG AKARYAKIT TEÇHİZATLARI SANAYİ VE TİCARET LIMITED ŞİRKETİ</p> <p>Accreditation Nr : AB-0195-K Revision Nr: 07 Date: 03.04.2026</p>
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Calibration and Measurement Capability (CMC)

Volume

Measured Quantity / Calibrated Items	Range	Measurement Conditions	Expanded Measurement Uncertainty (k=2)	Remarks / Calibration Method
Volumetric Glassware Standard Capacity Measures, Test Measures Proving Tanks	$2 L \leq V \leq 2500 L$	Calibration performed in the laboratory using the gravimetric method.	% 0,02	Calibration procedure prepared in accordance with OIML R 120, TS EN ISO 4787:2021, and EURAMET cg-19 documents. V: nominal capacity.
Volumetric Glassware Standard Capacity Measures, Test Measures Proving Tanks	$2 L \leq V \leq 10000 L$	Calibration performed in the laboratory or on site using the volumetric method.	% 0,03	Calibration procedure prepared in accordance with OIML R 120 and EURAMET cg-21 documents. V: nominal capacity.

This document has been signed by Gülden Banu Müderrisoğlu with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.



 <p>Calibration TS EN ISO/IEC 17025 AB-0195-K</p>	<p>TÜMPET ULUSLARARASI BELGELENDİRME METROLOJİ LPG AKARYAKIT TEÇHİZATLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ</p> <p>Accreditation Nr : AB-0195-K Revision Nr: 07 Date: 03.04.2026</p>
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Calibration and Measurement Capability (CMC)

Fluid Quantities

Measured Quantity/Calibrated Items	Range	Measurement Conditions	Expanded Measurement Uncertainty (k=2)	Remarks / Calibration Method
Volumetric Hydrocarbon Flow Rate LPG Master Meter	5 L/min \leq Q \leq 25 L/min (Collected Volume: 5 L \leq V \leq 350 L)	Gravimetric method Calibration fluid: LPG ATC enabled	% 0,20	Calibration procedure prepared in accordance with 2014/32/EU, Annex VII MI-005, OIML R117-1, and OIML R117-2. Gravimetric / Volumetric comparison method V: measured volume (L) ATC: Automatic Temperature Compensation
Volumetric Hydrocarbon Flow Rate LPG Master Meter	25 L/min \leq Q \leq 80 L/min (Collected Volume: 50 L \leq V \leq 350 L)	Gravimetric method Calibration fluid: LPG ATC enabled	% 0,16	Calibration procedure prepared in accordance with 2014/32/EU, Annex VII MI-005, OIML R117-1, and OIML R117-2. Gravimetric / Volumetric comparison method V: measured volume (L) ATC: Automatic Temperature Compensation
Volumetric Hydrocarbon Flow Rate LPG Master Meter	5 L/min \leq Q \leq 80 L/min (Collected Volume: 5 L \leq V \leq 350 L)	Comparison method Calibration fluid: LPG ATC Enabled/Disabled	% 0,30	Calibration procedure prepared in accordance with 2014/32/EU, Annex VII MI-005, OIML R117-1, and OIML R117-2. Volumetric / Volumetric comparison method V: measured volume (L) ATC: Automatic Temperature Compensation
Mass Fluid Flow Mass Hydrocarbon Flow Rate LPG Master Meter	$\dot{m} = 3$ kg/min (Collected Mass: : 5 kg \leq m \leq 10 kg)	Gravimetric method Calibration fluid: LPG	% 0,30	Calibration procedure prepared in accordance with 2014/32/EU, Annex VII MI-005, OIML R117-1, and OIML R117-2. Gravimetric / Gravimetric comparison method m: Measured mass (kg) \dot{m} : Mass flow rate
Mass Fluid Flow Mass Hydrocarbon Flow Rate LPG Master Meter	$\dot{m} = 6$ kg/min (Collected Mass: : 10 kg \leq m \leq 100 kg)	Gravimetric method Calibration fluid: LPG	% 0,15	Calibration procedure prepared in accordance with 2014/32/EU, Annex VII MI-005, OIML R117-1, and OIML R117-2. Gravimetric / Gravimetric comparison method m: Measured mass (kg) \dot{m} : Mass flow rate
Mass Fluid Flow Mass Hydrocarbon Flow Rate LPG Master Meter	$\dot{m} = 12$ kg/min (Collected Mass: : 100 kg \leq m \leq 350 kg)	Gravimetric method Calibration fluid: LPG	% 0,15	Calibration procedure prepared in accordance with 2014/32/EU, Annex VII MI-005, OIML R117-1, and OIML R117-2. Gravimetric / Gravimetric comparison method m: Measured mass (kg) \dot{m} : Mass flow rate

