

ACCREDITATION CERTIFICATE

No. LA.202-02

National accreditation bod hereby certifies that

complies with the requirements of

JSC “Metrologinės patikros“ Calibration laboratory

LST EN ISO/IEC 17025:2018

legal entity: Metrologinės patikros UAB
legal entity code: 305550638

and is competent to perform this accredited activity:

calibration of measuring equipment

The scope of accreditation below is an integral part of this certificate. Locations of the conformity assessment body are specified in the scope of accreditation

Initial accreditation date: **2022-06-30**

Certificate issued / valid since: **2024-02-28**

Version of: **2026-05-08**

Expiry date: **2027-06-29**

Director of the Accreditation Department



TADAS JUODELIS

The certificate may be changed, its validity suspended or withdrawn by the decision of the National accreditation body. Information on the actual data of accreditation certificates may be verified at lasa.lrv.lt





LIETUVOS
AKREDITACIJA



Kalibravimas
ISO/IEC 17025



SCOPE OF ACREDITATION

JSC “Metrologinės patikros“ Calibration laboratory, accredited in accordance with **LST EN ISO/IEC 17025:2018**

Location of the conformity assessment body:

Rodunios Road 34, LT-02187 Vilnius, Lithuania

Calibration and measurement capability (CMC) expressed as:

Measurand	Reference number of calibration method or procedure	Type of instrument to be calibrated	Measurement range and additional parameters (where applicable)	Measurement uncertainty
Distance	QMP-K1.1 (2021-02-23)	Car headlight beam adjustment and test stands	(0...±5) mm	0,36 mm
Force	LST ISO 21069-2:2011 QMP-K2.1 (2025-01-10)	Vehicle brake parameter measuring stands	Calibrated with a dynamometer: >1000 N ...3000 N	0,33 %
			>3000 N ...15000 N	0,15 %
			Calibrated with special weights: >330 N ... 1330 N	0,45 %
			>1330 N ... 5000 N	0,20 %
			>5000 N ... 6000 N	0,12 %
			>6000 N ... 9000 N	0,10 %
			>9000 N ... 16000 N	0,06 %
Concentration of gas	QMP-K3.1 (2021-02-23)	Explosive/flammable gas measuring systems and alarms	>16000 N ... 27000 N	0,04 %
			(0,2...100) vol. % CH ₄	0,0058 vol. % CH ₄ *
			(0,01...0,85) vol. % C ₃ H ₈	0,0058 vol. % C ₃ H ₈ *
			0,7 vol. % n-pentane	0,0058 vol. % n-pentane *
			(0,10...1,60) vol. % H ₂	0,0058 vol. % H ₂ *
		Toxic and oxygen gas measurement systems and alarms	(5...1500) vol. ppm CO	0,0058 vol. ppm CO *
			(0,5...9) vol.% CO	0,0058 vol. % CO *
			(200...1500) vol. ppm NO	0,0058 vol. ppm NO *
			(200...1500) vol. ppm SO ₂	0,0058 vol. ppm SO ₂ *
			(5...5000) vol. ppm NH ₃	0,0058 vol. ppm NH ₃ *
			(10...2000) vol. ppm H ₂ S	0,0058 vol. ppm H ₂ S *

Calibration and measurement capability (CMC) expressed as:				
Measurand	Reference number of calibration method or procedure	Type of instrument to be calibrated	Measurement range and additional parameters (where applicable)	Measurement uncertainty
		Toxic and oxygen gas measurement systems and alarms	(50...200) vol. ppm NO ₂	0,0058 vol. ppm NO ₂ *
			(10...350) vol. ppm CO ₂	0,0058 vol. ppm CO ₂ *
			(1...50) vol. % CO ₂	0,0058 vol. % CO ₂ *
			(0,5...10) vol. ppm Cl ₂	0,0058 vol. ppm Cl ₂ *
			100 vol. ppm isobutylene	0,0058 vol. ppm isobutylene *
			5 vol. ppm O ₂	0,0058 vol. ppm O ₂ *
			(0,25...99,70) vol. % O ₂	0,0058 vol. % O ₂ *
			1000 vol. ppm H ₂	0,0058 vol. ppm H ₂ *
			7 vol. ppm CH ₄	0,0058 vol. ppm CH ₄ *
			8,80 vol. ppm N ₂	0,0058 vol. ppm N ₂ *
			99,999 vol. % N ₂	0,0058 vol. % N ₂ *
		Vehicle exhaust gas analysers	(0,5...9,1) vol. % CO	0,0058 vol. % CO *
			(1...14) vol. % CO ₂	0,0058 vol. % CO ₂ *
			(40...1200) vol. ppm HC	0,0058 vol. ppm HC *
			(5...20) vol. % O ₂	0,0058 vol. % O ₂ *
In the water dissolved oxygen concentration	QMP-K3.2 (2021-02-23)	Oximeters	(0...20) mg/l	0,015 mg/l (at 15 °C); 0,012 mg/l (at 20 °C); 0,011 mg/l (at 25 °C)
Electric potential difference Liquid media pH	QMP-K3.3 (2020-09-28)	pH gauges with automatic temperature correction	Calibration with a reference simulator: (-1...19) pH (-2000...+2000) mV	0,0001 pH 0,007 mV
			Calibration with standard buffer solutions at 25°C (2...12) pH	0,010 pH
Electrical conductivity of liquids	QMP-K3.4 (2021-02-23)	Conductometers	Calibrating with reference competitions: 1 µS/cm 100 µS/cm 250 µS/cm 1000 µS/cm	0,001 µS/cm 0,053 µS/cm 0,012 µS/cm 0,52 µS/cm
			Calibration with standard solutions at 25°C: 1,30 µS/cm 4,97 µS/cm 84,27 µS/cm 1409,18 µS/cm	0,013 µS/cm 0,05 µS/cm 0,84 µS/cm 14 µS/cm
Light transmission coefficient	QMP-K4.1, except 4.3 clause (2021-02-23)	Car glass lights permeability measuring devices,	(9...50) %	(0,24...0,34) %

Calibration and measurement capability (CMC) expressed as:				
Measurand	Reference number of calibration method or procedure	Type of instrument to be calibrated	Measurement range and additional parameters (where applicable)	Measurement uncertainty
		smoke measurement instruments		
Wavelength Absorption	QMP-K4.1 (2021-02-23)	Spectrophotometers, photometers	(279...638) nm	0,02 nm
			0,3 A	
			(relative absorption units at wavelengths of 440, 465, 546, 590, and 635 nm)	0,0024 A
			0,5 A	
			(relative absorption units at wavelengths of 440, 465, 546, 590, and 635 nm)	0,0028 A
			1,0 A	
			(relative absorption units at wavelengths of 465, 546, and 635 nm)	0,0034 A
			(relative absorption units at wavelengths of 440 and 590 nm)	0,0068 A

*- uncertainty does not include the contribution of the reference gas mixture uncertainty..

Note. In case of any discrepancies, ambiguities or disputes regarding the subject matter content between the English and Lithuanian versions of the document, the Lithuanian version shall prevail.

The accreditation certificate is signed with a qualified electronic signature as an attachment to the decision of the National accreditation body, by which it was approved