NACIONALINIS
AKREDITACIJOS BIURAS

Lithuanian National Accreditation Bureau is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (for accreditation of testing, calibration, medical examinations, certification of products, persons and management systems and inspection) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (for accreditation in the fields of testing, calibration, medical examinations and inspection)

ACCREDITATION CERTIFICATE
No. LA.01.063

Lithuanian National Accreditation Bureau hereby certifies that

Road Research Laboratory of
Road Research Institute of
Faculty of Environmental Engineering of
Vilnius Gediminas Technical University

legal entity: Vilnius Gediminas Technical University
legal entity code: 111950243

complies with the requirements of

LST EN ISO/IEC 17025:2018

and is competent to perform:

sampling and tests of bituminous mixtures, soils, aggregates, and tests of bitumen and bituminous binders, unbound and hydraulically bound mixtures, road and airfield surfaces, road and airfield pavement structures, road element covering, road marking materials and concretes

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: **2004-10-11**

Certificate issued / valid since: **2024-08-19**
Version of: **2025-05-30**
Expiry date: **2029-08-18**

Director

DALIA BALEŽENTĖ

The certificate may be changed, its validity suspended or withdrawn by the decision of the National Accreditation Bureau.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

NACIONALINIS AKREDITACIJOS BIURAS

Bandymai / tyrimai ISO/IEC 17025

SCOPE OF ACREDITATION
(flexible)*

Road Research Laboratory of Road Research Institute of Faculty of Environmental Engineering of Vilnius Gediminas Technical University, accredited in accordance with **LST EN ISO/IEC 17025:2018**

Location of the conformity assessment body:

Linkmenų st. 28, building L2, LT-08217 Vilnius

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause (if relevant)	Techniques, methods and/or equipment used (where appropriate)
Bituminous mixtures	Sampling	LST EN 12697-27	Methods of sampling of bituminous mixtures for roads and other paved areas in order to determine their physical properties and composition
	Preparation of samples for determining binder content, water content and grading	LST EN 12697-28	Inspection, preparatory and heat treatment, sample reduction by quartering
	Specimen preparation	LST EN 12697-30	Impact compaction method
	Soluble binder content	LST EN 12697-1, c. 5.5.2	Differential method
	Dimensions of a specimen	LST EN 12697-29	Measurement using a caliper
	Maximum density	LST EN 12697-5, c. 9.2	Volumetric method
	Void characteristics	LST EN 12697-8	Calculation method
	Particle size distribution	LST EN 12697-2	Sieving method
	Thickness of a pavement	LST EN 12697-36, c. 6.1	Measurement using a caliper
	Bulk density	LST EN 12697-6	Method for dry sample, saturated surface dry (SSD), for a paraffin-sealed sample, by dimensions
	Indirect tensile strength	LST EN 12697-23	Compression method
	Water sensitivity	LST EN 12697-12, method A	Compression method for dry and immersed in water specimens
	Specimen preparation	LST EN 12697-33, c. 5.3	Roller compaction method

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause (if relevant)	Techniques, methods and/or equipment used (where appropriate)
	Wheel tracking	LST EN 12697- 22, c. 6.3, c. 7.1, c. 7.3.2, c. 7.5.1, c. 7.5.2.1, c. 7.6, c. 8.3.1, c. 8.3.2, c. 8.3.3, c. 8.3.5, model B, c. 9.3.2	Small size device, procedure B in air
	Affinity between aggregate and bitumen by rolling bottle method	LST EN 12697-11, c. 5	Rolling bottle method
	Asphalt layer shear test	LST EN 12697-48, c. 7 except c. 7.4	Shear bond test
Bitumen and bituminous binders	Penetration	LST EN 1426	Needle method
	Softening point	LST EN 1427	Ring and ball method
	Preparation of samples	LST EN 12594, c. 7.1, c. 7.2	Preparation of solid or semi-solid samples, samples of soft binders
	Characterization of perceptible properties	LST EN 1425	Determination of the perceptible properties
Soils	Particle size distribution	LST 1360-1	Sieving method
	Density in the field	LST 1360-6, c. 7.2	Ring method
	Sampling	LST 1360-9	Sampling of natural and filled-up soil and mixtures thereof
	Bearing capacity	LST 1360-5, except c. 6.5.3	Determination the deformation modulus by static loading 300 mm plate test
	Dynamic deformation modulus	Instruction for test by dynamic device	Loading test by dynamic device
	Water permeability	LST EN ISO 17892-11, except c. 7.1	Under constant pressure
	Laboratory reference density and water content	LST 1360-2, except c. 7.2.5	Proctor compaction
	Particle density	LST EN ISO 17892-3, c. 5.1, except c. 5.1.4.2	Capillary pycnometer method
	Water content	LST EN ISO 17892-1, except Annexes A, B and C	Weighing and drying method
	Compressive strength	BN GSR 12, c. VII	Loading to failure
	Change in length	BN GSR 12, c. VIII	Resistance to freezing method
	Uniaxial compressive strength	BN GPR 12, c. VII except V section	Loading to failure
Aggregates	Sampling	LST EN 932-1, c. 8.8, c. 9	Sampling from stockpiles, reduction – using a riffle box, quartering, fractional shovelling
	Samples reducing	LST EN 932-2	Quartering, divider and fractional shovelling methods
	Sampling	LST 1971	Sampling from road structure
	Particle size distribution	LST EN 933-1	Sieving method
	Flakiness index	LST EN 933-3	Sieving method
	Shape index	LST EN 933-4	Measurement using a caliper

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause (if relevant)	Techniques, methods and/or equipment used (where appropriate)
	Percentage of crushed particles in coarse and all-in natural aggregates	LST EN 933-5	Visual and weighing method
	Resistance to fragmentation	LST EN 1097-2, c. 5 and Annex A except A.3	Los Angeles test method
	Bulk density and voids content	LST EN 1097-3, except Annex A	Weighing and calculation method
	Water content	LST EN 1097-5	Weighing and drying method
	Particle density and water absorption	LST EN 1097-6, except Annexes D, E, F and H	Pycnometer method
	Resistance to atmospheric affects	LST EN 1367-2	Magnesium sulfate method
	Resistance to freezing and thawing	LST EN 1367-1	Soaking, exposure to frost, determination of the strength loss
	Railway ballast particle length	LST EN 13450, c. 6.7	Measuring using a caliper
	Resistance to freezing and thawing of railway ballast	LST EN 13450, Annex F	Soaking, exposure to frost, determination of the strength loss
	Resistance to magnesium sulfate of railway ballast	LST EN 13450, Annex G	Magnesium sulfate method
Unbound and hydraulically bound mixtures	Laboratory reference density and water content	LST EN 13286-2	Proctor compaction
	Bearing index and linear swelling	LST EN 13286-47	California bearing ratio, immediate index, vertical swelling method
	Compressive strength	LST EN 13286-41	Compression method
Road and airfield surface	Slip/skid resistance of a surface	LST EN 13036-4	Pendulum test
	Irregularity of pavement courses	LST EN 13036-7	Straightedge method
Road and airfield pavement structure	Layer thickness	MN SSN 15, c. VII	Electromagnetic magnetic induction method
	Layer thickness	MN SSN 15, c. VIII	Measuring a core using a caliper
	Layer thickness	MN SSN 15, c. X	Measuring using a depth gauge
Road marking materials	Skid resistance of horizontal road marking	LST EN 1436, c. 4.5	Pendulum test
	Road marking performance: luminance coefficient under diffuse illumination Q_d; coefficient of retroreflected luminance R_L	LST EN 1436, Annexes A and B	Measurement of daytime and night-time visibility using a retroreflectometer
	Vertical road sign retroflection coefficient R_A	LST EN 12899-1 CIE 54.2, c. 5.5	Measurement of retroflection using a retroreflectometer
Paints, varnishes, non-magnetic coatings on magnetic substrates, zinc	Film thickness	LST EN ISO 2808, c. 5.5.6, c. 5.5.7	Magnetic-induction and eddy-current methods
	Coating thickness	LST EN ISO 2178, c. 4.3 LST EN ISO 1461, c. 6.2	Magnetic-induction methods

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause (if relevant)	Techniques, methods and/or equipment used (where appropriate)
Concretes	Compressive strength of hardened concrete	LST EN 12390-3, except Annex A	Compression method
	Shape, dimensions and other requirements for specimens and moulds	LST EN 12390-1	
	Density of hardened concrete	LST EN 12390-7, except c. 6.4, c. 6.5, c. 6.7	Calculation by measurement method

* One degree of flexibility is defined and applicable for the whole accreditation scope:
flexibility case 1 – application of the updated documents of test methods/sampling already covered by accreditation or superseding them or application of equivalent documents.

Actual accreditation scope is published on the website at
https://vilniustech.lt/aplinkos-inzinerijos-fakultetas/padaliniai/keliu-tyrimo-institutas/344762?lang=1

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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 order of the Director of the National Accreditation Bureau, by which it was approved