Accredited to LST EN ISO/IEC 17025:2018

JSC „Laboratoriniai tyrimai“
R. Kalantos str. 85, LT-52310, Kaunas, Lithuania

SCOPE OF ACCREDITATION
(flexible)*

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)
Soils	Determination of particle size distribution by sieving	LST 1360-1	Sieving method
	Determination of soil density in the field	LST 1360-6, ch. 7.2	Determining the volume by ring method
	Sampling	LST 1360-9	From a small cone-shaped pile, from the ramparts and a big pile, from transporters, from railway wagons and from trucks
	Bearing capacity	LST 1360-5	Determining the deformation modulus of a structure by 300 mm plate static loading test
	Bearing capacity	Instruction for the determination of the dynamic deformation modulus Evd of road base and sub-base with the light-weight deflectometer	Determining dynamic deformation modulus by falling weight deflectometer
	Determination of permeability	LST EN ISO 17892-11	Rigid wall permeameters and constant flow test
Fillers	Sampling	LST EN 932-1	From a stoped conveyor belt, from packages, from the bucket conveyor, bucket loader or from the greifer, from piles, from the wagons, from trucks
	Sample reduction	LST EN 932-2	With a sharing scoop, quartering, breaking up large particles
	Sampling	LST 1971	Sampling from road structure without binders

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)
	Determination of particle size distribution by sieving	LST EN 933-1	Sieving method
	Determination of impurity		Washing and sieving method
	Flakiness index	LST EN 933-3	Sieving method
	Shape index	LST EN 933-4	Measurement using a special caliper
	Percentage of crushed and broken surfaces	LST EN 933-5	Visual and weighing method
	Grading of filler aggregates	LST EN 933-10	Air jet sieving
	Resistance to wear	LST EN 1097-1	Micro-Deval test method (M_{DE}; $M_{DE,RB}$)
	Resistance to fragmentation	LST EN 1097-2, p. 5, A annex	Los Angeles test method (LA), (LA_{RB})
	Bulk density and voids	LST EN 1097-3, excluding A annex	Weighing a specimen in a standard measuring container
	Water content	LST EN 1097-5	Weighing and drying method
	Particle density and water absorption	LST EN 1097-6, ch. 7, 8, 9, A annex	Pyknometer and wire basket method
	Resistance to freezing and thawing	LST EN 1367-1	Assessment of change of physical properties
Unbound and hydraulically bound mixtures	Determining laboratory reference density and water content	LST EN 13286-1	Proctor compaction method
		LST EN 13286-2, excluding ch. 7.3 and 7.6	
Roads and airfields surface and other trafficked areas and constructions	Irregularity measurement of pavement courses	LST EN 13036-7	Straightedge test
	Thickness of bituminuos pavement	Methodical instructions for determination of thickness of layers of road pavement construction MN SSN 15, ch. VIII	Determining the thickness of a layer by measuring a cored specimen
	Layer thickness	Methodical instructions for determination of thickness of layers of road pavement construction MN SSN 15, ch. X	Measurement by depth gauge

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)
Bitumen, bituminous binders	Sampling	LST EN 58, ch. 8.1, 8.3	Sampling from permanently installed systems, spraying equipment
	Characterization of perceptible properties	LST EN 1425	Organoleptic evaluation of the sample
	Penetration	LST EN 1426	Needle penetration test. Penetration up to (330 x 0,1) mm
	Softening point	LST EN 1427	Ring and ball method up to 80°C
	Preparation of samples	LST EN 12594	Sample homogenization, excluding bituminous emulsions, preparation methods
Bituminous mixtures	Soluble binder content	LST EN 12697-1, ch. 5.4.2	Differential method
	Particle size distribution	LST EN 12697-2+A1	Sieving method
	Maximum density	LST EN 12697-5, ch. 9.2	Volumetric method
	Bulk density	LST EN 12697-6, ch. 9.2, 9.3, 9.5	Dry, saturated surface dry (SSD), sealed specimen methods and by dimensions
	Void characteristics	LST EN 12697-8	Calculation method
	Affinity between aggregate and bitumen	LST EN 12697-11, ch. 5	Rotating flask method
	Water sensitivity	LST EN 12697-12, A method	Comparison of dry specimens and specimens immersed in water
	Temperature measurement	LST EN 12697-13	Contact temperature measuring thermometer, Infrared-thermometer
	Indirect tensile strength	LST EN 12697-23	Compression method for 100 mm specimen
	Sampling	LST EN 12697-27	From a lorry load of material; from a mixer transporter; around the augers of the paver; from heaps; from a cut trench; from comapacted material by coring; hacking out or sawing out slabs; from the slat conveyor fo a continuous process plant; from stockpiles; excluding sampling tube

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)
	Preparation of samples for determining binder content, water content and grading	LST EN 12697-28	Examination, pre-treatment and heat treatment, sample reduction by quartering
	Dimensions of a specimen	LST EN 12697-29	Measurement using a caliper
	Specimen preparation by impact compactor	LST EN 12697-30	Impact compaction method with impact compactor with steel anvil
	Determining stability, flow and Marshall coefficient values	LST EN 12697-34	Marshall test
	Laboratory mixing of mixtures	LST EN 12697-35, excluding A, B annexes	Mechanical and hand mixing methods
	Determination of the thickness of bituminuos pavement	LST EN 12697-36	Measurement using a caliper

*Defined and applicable for the whole accreditation scope following degrees of flexibility:

– application of the updated documents of test methods already covered by accreditation or replacing them.

Actual scope of accreditation is published on the website: www.laboratoriniaityrimai.eu

Director Dalia Baležentė

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.