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.242-01

Lithuanian National Accreditation Bureau hereby certifies that

Relabo, UAB, laboratory

legal entity: Relabo, UAB
legal entity code: 306678669

complies with the requirements of

LST EN ISO/IEC 17025:2018

and is competent to perform:

non-destructive and destructive tests

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: **2025-01-23**

Certificate issued / valid since: **2025-01-23**
Version of: **2025-01-23**
Expiry date: **2030-01-22**

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The certificate may be changed, its validity suspended or withdrawn by the decision of the National Accreditation Bureau.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

Relabo, UAB, laboratory, accredited in accordance with **LST EN ISO/IEC 17025:2018**

Location of the conformity assessment body:

Sudervės str. 14M, Avižieniai, Vilniaus raj.

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)
	Non-destructive testing		
Base metal of equipment and structures **Metallic rolled and forged products, castings** **Metal welded joints and claddings.**	External defects	LST EN ISO 17637:2017	Visual testing (VT)
	External defects Internal defects	LST EN ISO 17636-1:2022 LST EN ISO 17636-2:2022	Radiographic testing (RT)
	External defects	LST EN ISO 3452-1:2021	Penetrant testing (PT)
	External defects Internal defects	LST EN ISO 17640:2019 LST EN 10160:2001	Ultrasonic testing (UT)
	External defects Subsurface defects	LST EN ISO 17638:2017	Magnetic particle testing (MT)
	Thickness	LST EN ISO 16809:2019	Ultrasonic thickness measurement (UTT)
	Mechanical testing		
Metallic welded joints	Internal defects	LST EN ISO 9017:2018	Fracture tests
Metallic materials	Tensile strength; Upper yield strength; Lower yield strength; Proof strength; Percentage elongation; Percentage reduction of area	LST EN ISO 6892-1:2020	Tensile tests (Method B)
Weld metal in fusion welded joints	Tensile strength; Upper yield strength; Lower yield strength; Proof strength;	LST EN ISO 5178:2019	Longitudinal tensile tests

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 elongation; Percentage reduction of area		
Reinforcing steel Load-bearing and Non load-bearing welded joints	Maximum tensile force; Tensile strength; Upper yield strength; Lower yield strength; Proof strength; Percentage elongation	LST EN ISO 17660-1:2006 LST EN ISO 17660-2:2006 LST EN ISO 15630-1:2019	Tensile tests
Reinforcing steel Load-bearing welded joints	Shear force	LST EN ISO 17660-1:2006 LST EN ISO 15630-2:2019	Shear tests
Steel for the reinforcement and prestressing of concrete (Reinforcing bars, rods and wire; Welded fabric and lattice girders; Prestressing steel)	Maximum tensile force; Tensile strength; Upper yield strength; Lower yield strength; Proof strength; Percentage elongation	LST EN ISO 15630-1:2019 LST EN ISO 15630-2:2019 LST EN ISO 15630-3:2019	Tensile tests
Welds in metallic materials	Maximum tensile force; Tensile strength	LST EN ISO 4136:2022	Transverse tensile tests
Metallic materials, welds in metallic materials	Plasticity, when bent at the required angle, is defined by the bend angle and formation of cracks	LST EN ISO 7438:2020 LST EN ISO 5173:2023	Bend tests
Reinforcing steel Load-bearing welded joints, Steel for the reinforcement and prestressing of concrete (Reinforcing bars, rods and wire; Welded fabric and lattice girders; Prestressing steel)	Plasticity, when bent at the required angle, is defined by the formation of cracks	LST EN ISO 17660-1:2006 LST EN ISO 15630-1:2019 LST EN ISO 15630-2:2019 LST EN ISO 15630-3:2019	Bend tests
Metallic materials, welds in metallic materials	Absorbed energy (KV_2)	LST EN ISO 148-1:2017 LST EN ISO 9016:2022	Charpy pendulum impact tests Non-standard test temperature: (-80÷20)°C
Metallic materials, welds in metallic materials	Vickers hardness	LST EN ISO 6507-1:2023 LST EN ISO 9015-1:2011 LST EN ISO 9015-2:2016	Vickers hardness tests Measuring range (20 ÷ 900) HV
Metallic materials, welds in metallic materials	Inner and surface macro and micro defects Macro and micro structure	LST EN ISO 17639:2022	Metal macroscopic and microscopic structure examination
	Micrographic determination of the apparent grain size	LST EN ISO 643:2024 (7.4 p.)	Metal microscopic structure examination
Metallic materials, welded metal joints and claddings, welded joints metals surface	Mass percent part of chemical elements in low alloy steels	LST CR 10320:2006	Optical emission analysis for metal chemical composition determination

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)
Metallic materials, welded metal joints and claddings, welded joints metals surface	Mass percent part of chemical elements in metals and alloys	LST CR 10320:2006 RLB-PR-01 (LST CR 10320, GOST 18895)	Optical emission analysis for metal chemical composition determination
High alloy steel, welded joints and claddings, welded joints metals surface	Mass percent part of chemical elements	LST EN 10315:2006	X-ray Fluorescence spectrometry (XRF)
Welded joints of thermoplastic semi-finished products	External defects Internal defects	LST EN 13100-1:2017	Visual testing
	Bending characteristics	LST EN 12814-1:2001 LST EN 12814-1:2001/AC:2004	Bend tests
	Tensile characteristics	LST EN 12814-2:2021	Tensile tests
	Peel characteristics	LST EN 12814-4:2018 LST EN 12814-4:2018/AC:2018 ISO 13955:1997 ISO 13955:1997/Amd1:2020	Peel tests Crushing decohesion tests

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