ROMANIAN ACCREDITATION ASSOCIATION - RENAR

Bucharest, Calea Vitan no. 242, sector 3, zip code 031301
CIF **RO 4311980**

RENAR is EA-MLA signatory for Testing.

ACCREDITATION CERTIFICATE
No. LI 1235

Romanian Accreditation Association – RENAR, being recognized as National Accreditation Body by GO 23/2009, herewith attests that the organization:

SILCOTUB SA

Zalău, 93 Mihai Viteazu Boulevard, Sălaj county

through

Testing laboratory TenarisSilcotub

fulfills the requirements of **SR EN ISO/IEC 17025:2018** and is competent to carry on **TESTING** activities, as it is detailed in the Annexes of the present accreditation certificate

This accreditation is maintained provided that the accreditation criteria established by the Romanian Accreditation Association – RENAR are met continuously.

The present certificate includes Annexes no. 1/06.10.2025 (2 pages) and no. 2/06.10.2025 (1 page), which are integrated part of this certificate.

The accreditation certificate is an essential accreditation document, which might be periodically revised and issued by RENAR. The most recent version of the accreditation certificate is available on the website of RENAR, www.renar.ro.

Date of initial accreditation: 12.10.2020
Date of renewal accreditation: 12.10.2024
Updated on: 06.10.2025
The accreditation is valid until: 11.10.2028

GENERAL DIRECTOR

Alina Elena TAINĂ

Asociația de Acreditare din România RENAR DIRECTOR GENERAL 2

PRESIDENT OF THE ACCREDITATION COUNCIL

PhD. Eng. Dumitru DINU

The translation of this certificate was issued today, 13.11.2025.

The Accreditation Certificate does not relieve/exempt CAB the obligation to obtain all permits and authorizations required for its operation under the law

Annex no. 1 to Accreditation Certificate no. LI 1235
Annex no. 1 Issue Date: 06.10.2025

SILCOTUB SA

Through **Testing laboratory TenarisSilcotub**

Zalău, 93 Mihai Viteazu Boulevard, Sălaj county

A. Tests performed in permanent sites

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
	CHEMICAL TESTS		
	Spectrometric methods		
1.	Determination of chemical composition by optical emission spectrometry: - Al, As, B, C, Ca, Co, Cr, Cu, Mn, Mo, N, Nb, Ni, P, Pb, S, Sb, Si, Sn, Ti, V, Zr	Steels	ASTM E415-21 PRD01687
	Determination of chemical composition by optical emission spectrometry: - Bi, W		PRD01687 rev.11
2.	Determination of oxygen and nitrogen content by IR absorption method/thermal conductivity, after inert gas fusion	Steels	ASTM E1019-24 ASTM E3346-25 PRD53944
	TCD method		
3.	Determination of hydrogen concentration by thermal conductivity method, after inert gas fusion	Steels	ASTM E3346-25 PRD53942
	MECHANICAL TESTS		
4.	Tensile test at room temperature	Pipes/ metallic materials connections	SR EN ISO 6892-1:2020 ISO 6892-1:2019 PRD07658 ASTM E8/E8M-24 ASTM A370-24a PRD00058
5.	Tensile testing at high temperature	Pipes/ metallic materials connections	SR EN ISO 6892-2:2018 ISO 6892-2:2018 PRD07382 ASTM E21-20 PRD00059
6.	Charpy pendulum impact test at low and room temperatures (- 80°C ... + 20°C)	Pipes/ metallic materials connections	SR EN ISO 148-1:2017 ISO 148-1:2016 ASTM E23-25 ASTM A370-24a PRD00044
7.	Brinell hardness test HBW 2.5 / 187.5	Pipes/ metallic materials connections	SR EN ISO 6506-1:2015 ISO 6506-1:2014 ASTM E10-23 PRD04253
8.	Vickers hardness test HV1 and HV10	Pipes/ metallic materials connections	SR EN ISO 6507-1:2023 ISO 6507-1:2023 ASTM E92-23 ASTM E384-22 PRD04217

Asociația de Acreditare din România RENAR DIRECTOR GENERAL 2

Annex no. 1 to Accreditation Certificate no. LI 1235
Annex no. 1 Issue Date: 06.10.2025

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
9.	Rockwell hardness test HRBW and HRC	Pipes/ metallic materials connections	SR EN ISO 6508-1:2024 ISO 6508-1:2023 ASTM E18-24 PRD04216

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GENERAL DIRECTOR
Alina Elena TAINĂ

Asociația de Acreditare din România RENAR DIRECTOR GENERAL 2

Annex no. 2 to Accreditation Certificate no. LI 1235
Annex no. 2 Issue Date: 06.10.2025

SILCOTUB SA

Through **Testing laboratory TenarisSilcotub**

Călărași, 162 Prelungirea București, Călărași county

A. Tests performed in permanent sites

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
	CHEMICAL TESTS		
	Spectrometric methods		
1.	Determination of chemical composition by optical emission spectrometry: - Al, As, B, C, Ca, Co, Cr, Cu, Mn, Mo, N, Nb, Ni, P, Pb, S, Sb, Si, Sn, Ti, V, Zr	Steels	ASTM E415-21 PRD01687
	Determination of chemical composition by optical emission spectrometry: - Bi, W		PRD01687 rev.11
2.	Determination of carbon and sulfur in Steel and i Iron by IR absorption method after combustion in induction oven	Steels	ASTM E1019-24 ASTM E3346-25 PRD53944
3.	Determination of oxygen and nitrogen content by IR absorption method/thermal conductivity, after inert gas fusion	Steels	ASTM E1019-24 ASTM E3346-25 PRD53944
	TCD Method		
4.	Determination of hydrogen concentration by thermal conductivity method, after inert gas fusion	Steels	ASTM E3346-25 PRD53942

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Alina Elena TAINĂ

Asociația de Acreditare din România RENAR DIRECTOR GENERAL 2