

Scope of Accreditation

Accredited body: U. S. Steel Košice, s.r.o.
Vstupný areál U. S. Steel, 044 54 Košice

Organizational unit performing the activity of the Accredited Body:
Mechanical Testing Laboratory

Workplace of the Accredited Body:
Vstupný areál U. S. Steel, 044 54 Košice

Identification number of the Accredited Body: 027/S-012

Laboratory with fixed scope

Item	Subject of test		Applied method		Other specification
	Subject	Property/Parameter	Kind/Type	Indication	
1.	Metallic materials	Yield strength Tensile strength Elongation Extension Contraction	Tensile test	STN EN ISO 6892-1 STN EN ISO 6892-2 STN EN ISO 4136 STN EN ISO 5178 API Spec. 5L ASTM A 370 ASTM E8/E8M ASTM E 21 JIS Z 2241 (PPL/AG/0106)	Method of test at room temperature Method of test at elevated temperature Welded joints
2.		Plastic strain ratio		STN EN ISO 10113 ASTM E 517 JIS Z 2254 (PPL/AG/0110)	
3.		Tensile strain hardening exponent		STN EN ISO 10275 ASTM E 646 JIS Z 2253 (PPL/AG/0111)	
4.		Bake-Hardening-Index		STN EN 10325 (PPL/AG/0112)	
5.		Angle of bend	Bend test	STN EN ISO 7438 STN EN ISO 5173 API Spec. 5L ASTM A 370 ASTM E 290 JIS Z 2248 (PPL/AG/0113)	Qualitative evaluation Welded joints
6.		Zinc coating adhesion		STN EN ISO 7438 TN USSK 00 2029 (PPL/AG/0114)	
7.		Absorbed energy Proportion of ductile fracture	Impact test	STN EN ISO 148-1 STN EN ISO 9016 API Spec. 5L ASTM A 370 ASTM E 23 (PPL/AG/0115)	Charpy toughness Welded joints
8.		Proportion of ductile fracture – DWTT		STN EN 10274 ASTM E 436 API RP 5L3 (PPL/AG/0116)	

Annex to the Certificate of Accreditation No. S-012 dated 29.05.2024.

The Annex is an integral part of the
Certificate of Accreditation

Item	Subject of test		Applied method		Other specification
	Subject	Property/Parameter	Kind/Type	Indication	
9.	Metallic materials	Rockwell hardness	Hardness test	STN EN ISO 6508-1 ASTM E 18 JIS Z 2245 (PPL/AG/0117)	HRC, HRBW, HRFW, HR30TW, HR15TW, HR30Tsm, HR15Tsm
10.		Brinell hardness		STN EN ISO 6506-1 ASTM E 10 JIS Z 2243 (PPL/AG/0118)	HBW 2,5/187,5 HBW 10/3000
11.		Vickers hardness		STN EN ISO 6507-1 STN EN ISO 9015-1 ASTM E 384 JIS Z 2244 (PPL/AG/0119)	HV 5, HV 10, HV 30 Welded joints
12.		Depth of the indentation	Cupping test	STN EN ISO 20482 ASTM E 643 JIS Z 2247 (PPL/AG/0120)	Erichsen cupping test

Note:

PPL – work procedure of laboratory

