

## Accreditation Scope Specification

The name of the accredited body: **U. S. Steel Košice – Labortest, s.r.o.**  
**Department Mechanical Testing Laboratory**  
 Vstupný areál U. S. Steel, 044 54 Košice

Laboratory with fixed scope of accreditation

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 (PP1/ZT26/01)	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 (PP1/ZT26/02)	
3.		Tensile strain hardening exponent		STN EN ISO 10275 ASTM E 646 JIS Z 2253 (PP1/ZT26/03)	
4.		Bake-Hardening-Index		STN EN 10325 (PP1/ZT26/04)	
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 (PP1/ZT26/05)	Qualitative evaluation Welded joints
6.		Zinc coating adhesion		STN EN ISO 7438 TN USSK 00 2029 (PP1/ZT26/06)	
7.		Absorbed energy Proportion of ductile fracture	Impact test	STN EN ISO 148-1	Welded joints
8.				Proportion of ductile fracture – DWTT	
	API Spec. 5L				
	ASTM A 370				
	ASTM E 23				
	(PP1/ZT26/07)				
	STN EN 10274	Drop weight tear test DWTT			
ASTM E 436					
API RP 5L3					
(PP1/ZT26/08)					



Item	Subject of test		Applied method		Other specification
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9.	Metallic materials	Rockwell hardness	Hardness test	STN EN ISO 6508-1 ASTM E 18 JIS Z 2245 (PP1/ZT26/09)	HRC, HRBW, HRFW, HR30TW, HR15TW, HR30Tsm, HR15Tsm
10.		Brinell hardness		STN EN ISO 6506-1 ASTM E 10 JIS Z 2243 (PP1/ZT26/10)	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 (PP1/ZT26/11)	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 (PP1/ZT26/12)	Erichsen cupping test

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