

Accreditation scope

The name of the accredited body: **U. S. Steel Košice - Labortest, s.r.o.**
Department of Quantometric Laboratory
044 54 Košice

Laboratory with fixed scope of accreditation

Item	Test subject		Implemented method		Other specifications
	Subject / Matrix / Environment	Property / Parameter / Variable / Analvt	Principle / Class / Type	Marking	
1.	Steel	C, Mn, Si, P, S, Al, Cu, Ni, Cr, As, Ti, V, Nb, Mo, Co, Sn, Sb, Zn, Pb, W, B, Zr, Ca	Atomic Emission Spectrometry (AES)	ASTM E 415-21 (PP1/ZT24/02)	
2.	Aluminium, Aluminium Alloys	Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, Pb	Atomic Emission Spectrometry (AES)	ASTM E 1251-17a (PP1/ZT24/02)	
3.	Steel, Cast Iron	O ₂ C, S	Infrared absorption (IR)	ASTM E 1019-18 (PP1/ZT24/03) (PP1/ZT24/04)	
4.	Ferroalloys	C, S	Infrared absorption (IR)	STN 42 0542 STN 42 0541 (PP1/ZT24/04)	
5.	Steel, Cast Iron	N ₂	Thermal conductivity (TC)	ASTM E 1019-18 (PP1/ZT24/03)	
6.	Oxidic raw materials	Fe, Mn, MnO, SiO ₂ , Al ₂ O ₃ , CaO, MgO, P ₂ O ₅ , P Na ₂ O, K ₂ O, TiO ₂ , Cr ₂ O ₃	X – ray fluorescent Spectrometry (XRF)	DIN 51001 (PP1/ZT24/05)	
7.	Ferro - alloys	Mn, Si, P, Al, Ti, Ca	X – ray fluorescent Spectrometry (XRF)	ASTM E 1621-22 (PP1/ZT24/05)	
8.	Refractory materials	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂	X – ray fluorescent Spectrometry (XRF)	STN EN ISO 12677 (PP1/ZT24/05)	
9.	Refractory materials	Bulk density	Water method with vacuum	STN EN 993-18 (PP1/ZT24/08)	
10.	Metallurgical materials	Mass activity gama of radioactive nuclides ⁶⁰ Co, ¹³⁷ Cs, ²³² Th, ²²⁶ Ra, ⁴⁰ K	Scintillation method	ASTM E 181-17 STN 35 6573 (PP1/ZT24/06)	Powder samples with density (0,964-1,036) kg.dm ⁻³
11.	Drinking, surface, ground and waste waters	Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, V, Zn	Optical Emission Spectrometry by inductively coupled plasma (ICP-OES)	STN EN ISO 11885 (PP1/ZT24/09)	

