

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:
Department of Quantometric Laboratory

Place of performance of the accredited body:
Vstupný areál U. S. Steel, 044 54 Košice

Identification number of the accredited body: 027/S-011

Laboratory with fixed scope

Item	SUBJECT OF THE TEST		APPLIED METHOD		Other specifications
	Subject / Matrix / Environment	Property / Parameter / Variable / Analyt	Principle / Class / Type	Indication	
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 (PPL/AG/0079)	
2.	Aluminium, Aluminium Alloys	Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, Pb	Atomic Emission Spectrometry (AES)	ASTM E 1251-17a (PPL/AG/0079)	
3.	Steel, Cast Iron	O ₂ C, S	Infrared absorption (IR)	ASTM E 1019 -18 (PPL/AG/0080) (PPL/AG/0081)	
4.	Ferroalloys	C, S	Infrared absorption (IR)	STN 42 0542 STN 42 0541 (PPL/AG/0081)	
5.	Steel, Cast Iron	N ₂	Thermal conductivity (TC)	ASTM E 1019 -18 (PPL/AG/0080)	
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 (PPL/AG/0085)	
7.	Ferro – alloys	Mn, Si, P, Al, Ti, Ca	X – ray fluorescent Spectrometry (XRF)	ASTM E 1621-22 (PPL/AG/0085)	
8.	Refractory materials	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , TiO ₂	X – ray fluorescent Spectrometry (XRF)	STN EN ISO 12677 (PPL/AG/0085)	
9.	unoccupied				
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 (PPL/AG/0084)	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 (PPL/AG/0064)	

