

**ANALYSIS LIST**

Num.	Analysis Name	Analysis Method	Device	Standard	Descriptions	Accreditation Status
1	Chemical Analysis Sample Preparation	-	-	ASTM E1806/ TS EN ISO 14284	Chemical Analysis with Optical Emission Spectrometry in All Iron and Steel Alloys	-
2	Chemical Analysis in Low Alloy Steel	Optical Emission Spectroscopy	ARL 4460, ARL 8860	ASTM E415	C, Mn, Si, P, S, Ni, Cr, Cu, Mo, Nb, V, Ti, B, Sn, Al, Ca, N	C, Mn, Cr, Ni
3	Chemical Analysis in Austenitic Stainless Steels	Optical Emission Spectroscopy	ARL 4460, ARL 8860	ASTM E1086	C, Mn, Si, P, S, Ni, Cr, Cu, Mo, Nb, V, Ti, B, Sn, Al, Ca, N	C, Mn, Cr, Ni
4	Metallik Malzemelerde C/S Determination in Metallic Materials	Combustion Method	LECO CS 600	ISO 15350/ASTM E 1019	C, S	C
5	Determination of Total Moisture in Coal	Thermogravimetric Analysis	LECO TGA 801	ISO 589-B2	-	-
6	Determination of Ash in Coal	Thermogravimetric Analysis	LECO TGA 801	ASTM D7582	-	-
7	Determination of Fixed Carbon in Coal	Thermogravimetric Analysis	LECO TGA 801	ASTM D7582	-	-
8	Determination of Total Sulfur in Coal	Thermogravimetric Analysis	LECO TGA 801	ASTM D4239	-	-
9	Glow Loss Analysis in Ash	Thermogravimetric Analysis	LECO TGA 801	ASTM D7348	-	-
10	Determination of Calorific Value (Calories) in Coal	Calorimeter	LECO AC-350	TS ISO 1928	-	-
11	Sulfur Analysis in Ash	Combustion Method	LECO S-144 DR	ASTM D5016	-	-
12	Total Carbon Analysis in Ash	Termogravimetrik Analiz	LECO TGA 801	ASTM D5016*	-	-
13	Determination of Total Moisture in Coke	Termogravimetrik Analiz	LECO TGA 801	ISO 579	-	-
14	Determination of Ash in Coke	Termogravimetrik Analiz	LECO TGA 801	ASTM D7582	-	-
15	Determination of Volatile Substances in Coke	Termogravimetrik Analiz	LECO TGA 801	ASTM D7582	-	-
16	Determination of Fixed Carbon in Coke	Termogravimetrik Analiz	LECO TGA 801	ASTM D7582	-	-
17	Determination of Total Sulfur in Coke	Combustion Method	LECO S-144 DR	ASTM D4239	-	-
18	Determination of Calorific Value (Calories) in Coke	Calorimeter	LECO AC-350	ASTM D5373/ASTM E381	-	-
19	Ferro alloy Analysis	X-ray fluorescence	Thermo Scientific PERFORM-X & OPTIM-X	XRF SPECIAL METHOD	-	-
20	Sulfur Analysis in Coal and Ash	Combustion Method	LECO S-144 DR	ASTM E-1019	-	-
21	Determination of Nitrogen in Metallic Materials	Combustion Method	LECO ONH836	ASTM E-1019	-	-
22	Sieve Analysis	Sieve	Retsch	ISO 3310-1	-	-
23	pH measurement of liquid chemicals (Acid, etc.)	potentiometry	PH 3310 SET 2	WTW PH 7 & WTW PH 4	-	-
24	Flue dust analysis	X-ray fluorescence	Thermo Scientific PERFORM-X & OPTIM-X	XRF SPECIAL METHOD	-	-
25	Scale/slag analysis	X-ray fluorescence	Thermo Scientific PERFORM-X & OPTIM-X	XRF SPECIAL METHOD	-	-
26	Determination of CaO in lime materials	Titration	Brand Titrette® Dijital Büret 50 ml, VELP SCIENTIFICA	EN 196-2, EN 459-2	-	-
27	Density determination in liquids	fluid motion	Piknometre - S&H labware	-	-	-
28	Peak analysis	Optical Emission Spectroscopy	ARL 4460, ARL 8860	-	Fe, C, Mn, Si, S, P, V	-
29	Analysis of ash, moisture and volatile determination in TGA-801 device (coal ash)	LECO TGA 801		ASTM D7582/ ASTM D3302	-	-
30	Oil analysis in scale sample by Soxhlet Extraction	BALLOON HEATER / DISTILLATION METHOD	Elektro-mag	-	-	-
31	Aluminum hemisphere Analysis	X-ray fluorescence	Thermo Scientific NITON XL3T GOLDD+	-	-	-
32	Chemical Analysis in High Manganese Steels	Optical Emission Spectroscopy	ARL 4460, ARL 8860	ASTM E2209	C, Mn, Si, P, S, Ni, Cr, Cu, Mo, Nb, V, Ti, B, Sn, Al, Ca, N	-