The Appendix is an integral part of
Certificate of Accreditation No. 254/2022 of 27/05/2022

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

ÚJV Řež, a. s.

Testing Laboratory of the Operation Support of Energy Units Department
Hlavní 130, Řež, 250 68 Husinec

Tests:

Ordinal number [1]	Test procedure/method name	Test procedure/method identification[2]	Tested object
1	Determination of alloy elements by optical emission spectrometry - mobile instrument[3]	PP 2302 154 (Oxford Instruments INCA Energy 350/Wave 700 Service manuals, Oxford Instruments AZtec User Manual)	Iron or nickel based metallic materials
2	Determination of alloy elements by optical emission spectrometry - stationary instrument[3]	PP 2302 383 (Q4 Tasman, User manual, BAS Rudice s.r.o.)	Iron, copper or aluminium based metallic materials
3	Metallographic determination of apparent grain size	PP 2302 382 (ČSN EN ISO 643; ČSN 42 0462; GOST 5639; ASTM E112)	Metallic material
4	Test of resistance to intergranular corrosion	PP 2302 146 (ČSN EN ISO 3651-1; ČSN EN ISO 3651-2; GOST 6032)	Corrosion-resistant steels and alloys
5	Determination of chemical composition of materials, structural components and phases by local microanalysis	PP 2302 155 (Oxford Instruments INCA Energy 350/Wave 700 Service manuals, Oxford Instruments AZtec User Manual)	Inorganic materials
6	Vickers hardness test	PP 2302 153 (ČSN EN ISO 6507-1)	Metallic material

[1] asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises

[2] if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

[3] superscript at the test procedure/method name is a reference to the table of determined analytes

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Range of determined parameters

Test ordinal number	Specification of the range of determined parameters
1	Carbon and low-alloy steels: C, Si, Mn, Cr, Ni, Cu, Mo, V, W, Al, Nb, Ti, B, P, S
	Chromium steels: C, Si, Mn, Cr, Ni, Cu, Mo, V, W, Nb, P, S
	Chromium-nickel steels C, Si, Mn, Cr, Ni, Cu, Mo, Ti, Co, Nb, V, W, Al, P, S
	Nickel alloys: C, Fe, Cr, Cu, Mo, Co, W, Mn, Al, Nb, Ti, Si, Ta, Hf
2	**Determination ranges for individual types of steel and cast iron:**
	Low-alloy (carbon) steels Fe110: C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, As, B, Bi, Ce, Co, Nb, Pb, Sb, Sn, Ta, La, Ti, V, W, Zr, N
	Free-cutting steels Fe115: C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, As, B, Bi, Ce, Co, Nb, Pb, Sb, Sn, Ta, La, Ti, V, W, Zr
	Cast iron Fe120: C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, As, B, Bi, Ce, Co, Mg, Nb, Pb, Sb, Sn, La, Ti, V, W, Zn, Zr
	Chromium and chromium-nickel steels Fe130: C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, As, B, Co, Nb, Sn, Ti, V, W, N
	Tool steels Fe140: C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, As, Co, Sn, V, W
	Manganese steels Fe150: C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, Sn, V
	Determination ranges for individual types of aluminium alloys:
	Al-Si Al120: Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, Be, Bi, Ca, Co, Ga, Na, P, Pb, Sn, Sr, V, Zr, Sb, Hg
	Al-Cu Al130: Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, Ag, Be, Bi, Cd, Co, Li, Pb, Sn, V, Zr, Sb
	Al-Mg Al140: Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, Be, Bi, Ca, Cd, Ga, Li, Na, Pb, Sn, V, Zr
	Al-Zn Al150: Si, Fe, Cu, Mn, Mg, Cr, Ni, Zn, Ti, Be, Ga, Pb, Sn, V, Zr
	Determination ranges for individual types of copper alloys:
	Cu-Zn Cu120: Zn, Pb, Sn, P, Mn, Fe, Ni, Si, Al, As, Be, Ag, Bi, Cd, Sb
	Cu-Si Cu121: Zn, Pb, Sn, P, Mn, Fe, Ni, Si, Mg, Cr, Al, S, As, Co, Sb
	Cu-Zn/Ni Cu130: Zn, Pb, Sn, P, Mn, Fe, Ni, Si, Mg, Al, As, Ag, Co, Bi, Sb
	Cu-Ni Cu140: Zn, Pb, Sn, P, Mn, Fe, Ni, Si, Mg, Cr, Al, S, Be, Co, Zr, Ti, C, Nb

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Test ordinal number	Specification of the range of determined parameters
	Cu-Sn/Pb Cu160: Zn, Pb, Sn, P, Mn, Fe, Ni, Si, Mg, Al, As, Ag, Sb
	Cu-Al Cu170: Zn, Pb, Sn, P, Mn, Fe, Ni, Si, Mg, Cr, Al, As
	Cu-Be/Co/Ag Cu180: Zn, Pb, Sn, Mn, Fe, Ni, Si, Cr, Al, Be, Ag, Co