



SPL-LABMAT s.r.o.

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PT 2022 Proficiency Test Programme (unaccredited provider)

Provider of Proficiency Testing Schemes:

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Informations for participants

Participants may register for the particular PT by short e-mail text to info@spl-labmat.cz by the end of the month preceding the month for which the particular test is scheduled. A single registration for more PTs is possible.

All PTs are free of charge and all participant's data will be used for **RM characterisation**. In the certificate of RM, names of laboratories will be listed in an abbreviated form (anonymously, without stated code number as is usual in our certificates).

Participant will receive certificate of participation, report with annexes and RM certificate too.

PDF version of reports, annexes and certificates will be sent **by e-mail only**, always separately for individual material in PT.

Sample dimensions for steel samples are **d37x25mm** (former d37x15mm), samples stays in participants ownership. Participant can send more set of results (different instruments and methods) for one PT.

Carriage is included for participants from European Union.

Limited count of samples is prepared for each PT. In case samples will be runned out, next participations will not be possible.

For participants outside of EU can be carriage charged (price on request).

PT 30/1 A, B, C, D

Term: February - March 2022

PT 30/1A

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Ca, Nb, Sb, Pb, Zr, Zn, N, Bi, Ce **in low alloy steel, solid sample (steel chips – 30g on e-mail request)** ~ (C < 0.5%; Mn < 0.9%; Si < 0.7%; P < 0.07%; S < 0.06%; Cu < 0.38%; Cr < 0.7%; Ni < 0.9%; Al < 0.17%; Mo < 0.5%; W < 0.19%; V < 0.34%; Ti < 0.17%; Co < 0.09%; As < 0.08%; Sn < 0.05%; B < 0.02%; Ca < 0.0010%; Nb < 0.13%; Sb < 0.04%; Pb < 0.05%; Zr < 0.16%; Zn < 0.011%; N < 0.03%; Bi < 0.05%; Ce < 0.009%) by Atomic Emission and X-Ray Fluorescence spectrometries on a plane of solid sample or methods wet-way analysis from chips, C, S on combustion analysers by IR absorption and N by thermoevolution method.

PT 30/1B

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Nb, Sb, Pb, Zr, Zn, N **in silicon steel, solid sample (steel chips – 30g on e-mail request)** ~ (C < 0.03%; Mn < 0.22%; Si < 4.1%; P < 0.016%; S < 0.02%; Cu < 0.04%; Cr < 0.14%; Ni < 0.1%; Al < 1%; Mo < 0.02%; W < 0.006%; V < 0.03%; Ti < 0.03%; Co < 0.02%; As < 0.009%; Sn < 0.015%; B < 0.009%; Nb < 0.03%; Sb < 0.01%; Pb < 0.014%; Zr < 0.009%; Zn < 0.004%; N < 0.011%) by Atomic

Emission and X-Ray Fluorescence spectrometries on a plane of solid sample or methods wet-way analysis from chips, C, S on combustion analysers by IR absorption and N by thermoevolution method.

PT 30/1C

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Sb, Zr, Zn, N **in silicon steel, solid sample (steel chips – 30g on e-mail request)** ~ (C < 0.03%; Mn < 0.4%; Si < 3.4%; P < 0.24%; S < 0.015%; Cu < 0.05%; Cr < 0.1%; Ni < 0.06%; Al < 0.8%; Mo < 0.04%; W < 0.02%; V < 0.04%; Ti < 0.07%; Co < 0.04%; As < 0.006%; Sn < 0.008%; B < 0.014%; Sb < 0.1%; Zr < 0.03%; Zn < 0.008%; N < 0.014%)

by Atomic Emission and X-Ray Fluorescence spectrometries on a plane of solid sample or methods wet-way analysis from chips, C, S on combustion analysers by IR absorption and N by thermoevolution method.

PT 30/1D

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Nb, Sb, Pb, N **in nitriding steel, solid sample (steel chips – 30g on e-mail request)** ~ (C < 0.4%; Mn < 0.4%; Si < 0.17%; P < 0.03%; S < 0.03%; Cu < 0.06%; Cr < 1.8%; Ni < 1.3%; **Al < 1.3%**; Mo < 0.26%; W < 0.03%; V < 0.04%; Ti < 0.03%; Co < 0.02%; As < 0.01%; Sn < 0.02%; B < 0.007%; Nb < 0.03%; Sb < 0.02%; Pb < 0.03%; N < 0.014%) by Atomic Emission and X-Ray Fluorescence spectrometries on a plane of solid sample or methods wet-way analysis from chips, C, S on combustion analysers by IR absorption and N by thermoevolution method.

PT 30/6A, B and PT 30/9A

Term: September - October 2022

PT 30/6A

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, B, Nb, N **in alloy steel, solid sample (steel chips – 30g on e-mail request)** ~ (C < 0.8%; Mn < 1.2%; Si < 1%; P < 0.06%; S < 0.04%; Cu < 0.4%; Cr < 6%; Ni < 2.9%; Al < 0.08%; Mo < 1.5%; W < 1.2%; V < 1.1%; Ti < 0.04%; Co < 0.14%; B < 0.05%; Nb < 0.02%; N < 0.04%) by Atomic Emission and X-Ray Fluorescence spectrometries on a plane of solid sample or methods wet-way analysis from chips, C, S on combustion analysers by IR absorption.

PT 30/6B

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, Nb, Sb, Pb, Zr, N **in alloy steel, solid sample (steel chips – 30g on e-mail request)** ~ (C < 0.28%; Mn < 1.7%; Si < 3.2%; P < 0.15%; S < 0.03%; Cu < 0.35%; Cr < 0.7%; Ni < 3.5%; Al < 0.5%; Mo < 0.18%; W < 0.7%; V < 0.8%; Ti < 0.5%; Co < 0.18%; As < 0.15%; Sn < 0.12%; Nb < 0.17%; Sb < 0.09%; Pb < 0.13%; Zr < 0.08%; N < 0.012%) by Atomic Emission and X-Ray Fluorescence spectrometries on a plane of solid sample or methods wet-way analysis from chips, C, S on combustion analysers by IR absorption.

PT 30/9A

Determination of Fe, SiO₂, Al₂O₃, MnO, CaO, MgO, S, TiO₂, K₂O, Na₂O, Cr₂O₃ **in steel slag (70g)** ~ (Fe < 1%; SiO₂ < 45%; Al₂O₃ < 10%; MnO < 0.8%; CaO < 50%; MgO < 12%; S < 1%; TiO₂ < 0.5%; K₂O < 0.4%; Na₂O < 0.5%; Cr₂O₃ < 0.04) by X-Ray Fluorescence spectrometries and wet-way analysis.

SPL-LABMAT PT 2022 time schedule

<p>PT 30/1 A, B, C, D</p>	<p>1st-3rd February 2022 Dispaching of the samples</p>	<p>15th February 2022 <i>Please inform us immediately if you don't receive a sample!!!</i></p>	<p>31th March 2022 Deadline for submitting results</p>	<p>1st April- 31th May 2022 Evaluation of results, issuance of certificate and report</p>	<p>15th June 2022 <i>Please inform us if you don't receive the report!!!</i></p>
<p>PT 30/6 A, B PT 30/9A</p>	<p>1st-2nd September 2022 Dispaching of the samples</p>	<p>14th September 2022 <i>Please inform us immediately if you don't receive a sample!!!</i></p>	<p>31th October 2022 Deadline for submitting results</p>	<p>1st November – 15th December 2022 Evaluation of results, issuance of certificate and report</p>	<p>27th December 2022 <i>Please inform us if you don't receive the report!!!</i></p>