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PT 2021 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 preceeding 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 sended **by e-mail only**, always separately for individual material in PT.
We can send **print version** of reports, certificates and annexes, but **only upon your request**. 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 is carriage charged (price on request).

PT 29/1 A, B, C, PT 29/6 Term: February - March 2021

PT 29/1A

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, W, V, Co, N **in low alloy steel, solid sample (steel chips on request)** ~ (C < 0.14%, Mn < 0.9%, Si < 0.8%, P < 0.01%, S < 0.013%, Cu < 0.01%, Cr < 0.06%, Ni < 0.04%, Al < 0.01%, W < 0.02%, V < 0.03%, Co < 0.02%, 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**.**

In addition, steel chips (30g) will be supplied upon e-mail request.

PT 29/1B

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, Co, Sn, N **in free-cutting steel, solid sample (steel chips on request)** ~ (C < 0.13%, Mn < 1.3%, Si < 0.012%, P < 0.013%, S < 0.4%, Cu < 0.23%, Cr < 0.14%, Ni < 0.23%, Al < 0.004%, Mo < 0.07%, Co < 0.012%, Sn < 0.017%, N < 0.016%) 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**.**

In addition, steel chips (30g) will be supplied upon e-mail request.

PT 29/1C

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Nb, Sb, Pb, Zr, N **in steel, solid sample (steel chips on request)** ~ (C < 0.7%, Mn < 2%, Si < 1.6%, P < 0.03%, S < 0.04%, Cu < 0.5%, Cr < 1.5%, Ni < 1.3%, Al < 0.36%, Mo < 0.5%, W < 0.05%, V < 0.4%, Ti < 0.6%, Co < 0.05%, As < 0.03%, Sn < 0.07%, B < 0.03%, Nb < 0.28%, Sb < 0.03%, Pb < 0.013%, Zr < 0.08%, N < 0.02%)
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**.**

In addition, steel chips (30g) will be supplied upon e-mail request.

PT 29/6

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Ca, Nb, N **in high manganese steel, solid sample (steel chips on request)** ~ C < 1.6%, **Mn < 28%**, Si < 0.7%, P < 0.1%, S < 0.010%, Cu < 0.16%, Cr < 1.7%, Ni < 0.5%, Al < 0.01%, Mo < 0.5%, W < 0.12%, V < 0.25%, Ti < 0.03%, Co < 0.07%, As < 0.006%, Sn < 0.006%, B < 0.002%, Nb < 0.03%, 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 and N by thermoevolution method**.**

In addition, steel chips (30g) will be supplied upon e-mail request.

PT 29/4A, B **Term: September - October 2021**

PT 29/4A

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Zr, Zn, Mg, Ce **in ductile cast iron, solid sample + crushed sample on request** ~ (C < 4.0%, Mn < 1.9%, Si < 3.4%, P < 0.1%, S < 0.019%, Cu < 0.9%, Cr < 0.7%, Ni < 1.4%, Al < 0.06%, Mo < 0.07%, W < 0.025%, V < 0.35%, Ti < 0.17%, Co < 0.08%, As < 0.015%, Sn < 0.04%, B < 0.004%, Zr < 0.06%, Zn < 0.04%, Ce < 0.07%, **Mg < 0.09%**) 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 29/4B

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Mo, W, V, Ti, As, Sn, B, Nb, Sb, Pb, Zn, Mg, Ce **in ductile cast iron, solid sample + crushed sample (on request)** ~ (C < 3.5%, Mn < 0.4%, Si < 1.3%, P < 0.18%, S < 0.05%, Cu < 0.12%, Cr < 0.08%, Ni < 0.11%, Mo < 0.38%, W < 0.05%, V < 0.07%, Ti < 0.03%, As < 0.03%, Sn < 0.1%, B < 0.018%, Nb < 0.03%, Sb < 0.03%, Pb < 0.03%, Zn < 0.01%, Mg < 0.02%, Ce < 0,02%) 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.

In addition, crushed cast iron (30g) will be supplied upon e-mail request.

SPL-LABMAT PT 2021 time schedule

PT 29/1 A, B, C PT 29/6	**1st-3rd February 2021** Dispaching of the samples	**15th February 2021** *Please inform us immediately if you don´t receive a sample!!!*	**31th March 2021** Deadline for submitting results	**1st April-31th May 2021** Evaluation of results, issuance of certificate and report	**15th June 2021** *Please inform us if you dont' receive the report!!!*
PT 29/4 A, B	**1st-3rd September 2021** Dispaching of the samples	**15th September 2021** *Please inform us immediately if you don´t receive a sample!!!*	**29th October 2021** Deadline for submitting results	**1st-30th November 2021** Evaluation of results, issuance of certificate and report	**13th December 2021** *Please inform us if you dont' receive the report!!!*