



SPL-LABMAT s.r.o.

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## Proficiency Testing Plan for 2026

(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](mailto: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).

**Please send us results in MS Excel XLSX format only.** Current data forms are published in PT section of our webpages.

Participant will receive final reports, annexes and certificates by e-mail attachment or link only.

Sample dimensions for steel samples are d37x25mm, 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 34/1 A, B, C**

**Term: February - April 2026**

### **PT 34/1A**

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Ca, Zn, N **in low alloy steel, (grade C60, DIN 1.0601), solid sample (steel chips – 30g on e-mail request)** ~ (C < 0.8%; Mn < 0.9%; Si < 0.37%; P < 0.03%; S < 0.04%; Cu < 0.08%; Cr < 0.28%; Ni < 0.09%; Al < 0.1%; Mo < 0.08%; W < 0.02%; V < 0.05%; Ti < 0.03%; Co < 0.03%; As < 0.011%; Sn < 0.04%; B < 0.009%; Ca < 0.0010%; Zn < 0.007%; 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 34/1B**

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Ca, Nb, Sb, Zn, N **in low alloy steel, (grade S355J2G1W, DIN 1.8963), solid sample (steel chips – 30g on e-mail request)** ~ (C < 0.17%; Mn < 1.1%; Si < 0.12%; P < 0.04%; S < 0.04%; Cu < 0.5%; Cr < 0.7%; Ni < 0.7%; Al < 0.08%; Mo < 0.29%; W < 0.05%; V < 0.09%; Ti < 0.06%; Co < 0.06%; As < 0.012%; Sn < 0.08%; B < 0.0010%; Ca < 0.0010%; Nb < 0.07%; Sb < 0.04%; Zn < 0.016%; N < 0.02%) 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 34/1C**

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, Bi, Ta, N in low alloy steel, (grade S355JR, DIN 1.0577), solid sample (steel chips – 30g on e-mail request) ~ (C < 0.19%; Mn < 1.5%; Si < 0.5%; P < 0.05%; S < 0.05%; Cu < 0.2%; Cr < 0.25%; Ni < 0.15%; Al < 0.07%; Mo < 0.06%; W < 0.04%; V < 0.04%; Ti < 0.03%; Co < 0.02%; As < 0.016%; Sn < 0.02%; B < 0.009%; Ca < 0.0050%; Nb < 0.1%; Sb < 0.04%; Pb < 0.04%; Zr < 0.02%; Zn < 0.015%; Bi < 0.008%; Ta < 0.009%; 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 and N by thermoevolution method.

## **PT 34/6A, B, PT 34/9A, B                      Term: September - October 2026**

### **PT 34/6A**

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Nb, Sb, Pb, N in alloy steel, solid sample (steel chips – 30g on e-mail request) ~ (C < 0.26%; Mn < 0.7%; Si < 0.5%; P < 0.06%; S < 0.04%; Cu < 0.28%; Cr < 10%; Ni < 0.6%; Al < 0.04%; Mo < 1.4%; W < 0.13%; V < 0.2%; Ti < 0.04%; Co < 0.06%; As < 0.009%; Sn < 0.01%; B < 0.014%; Nb < 0.012%; Sb < 0.006%; Pb < 0.009%; N < 0.08%)

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 34/6B**

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Nb, Sb, Pb, Zr, Zn, Ta, N in alloy steel (~ grade X2CrNiMoCuWN25-7-4, DIN 1.4501), solid sample (steel chips – 30g on e-mail request) ~ (C < 0.04%; Mn < 1.2%; Si < 0.8%; P < 0.04%; S < 0.04%; Cu < 0.9%; Cr < 27%; Ni < 8%; Al < 0.01%; Mo < 4.4%; W < 1.2%; V < 0.06%; Ti < 0.03%; Co < 0.06%; As < 0.02%; Sn < 0.04%; B < 0.009%; Nb < 0.06%; Sb < 0.02%; Pb < 0.005%; Zr < 0.003%; Zn < 0.04%; Ta < 0.008%; N < 0.11%)

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 34/9A**

Determination of Fe, SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, Mn, CaO, MgO, P, S, TiO<sub>2</sub>, K<sub>2</sub>O, Na<sub>2</sub>O in ground granulated blast furnace slag (GGBFS) (70g) ~ (Fe < 0.5%; SiO<sub>2</sub> < 45%; Al<sub>2</sub>O<sub>3</sub> < 10%; Mn < 0.8%; CaO < 40%; MgO < 10%; P < 0.015%; S < 1.0%; TiO<sub>2</sub> < 0.5%; K<sub>2</sub>O < 0.7%; Na<sub>2</sub>O < 0.8%) by X-Ray Fluorescence spectrometries and wet-way analysis, S on combustion analysers.

### **PT 34/9B**

Determination of Fe, SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, MnO, CaO, MgO, P<sub>2</sub>O<sub>5</sub>, S, Cr<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub> in steel converter slag (70g) ~ (Fe < 25%; SiO<sub>2</sub> < 11%; Al<sub>2</sub>O<sub>3</sub> < 2%; MnO < 5.2%; CaO < 40%; MgO < 10%; P<sub>2</sub>O<sub>5</sub> < 1.6%; S < 0.16%; Cr<sub>2</sub>O<sub>3</sub> < 1%; TiO<sub>2</sub> < 0.34%) by X-Ray Fluorescence spectrometries and wet-way analysis, S on combustion analysers.

## SPL-LABMAT PT 2026 time schedule

<p><b>PT 34/1 A, B, C</b></p>	<p><b>2nd-3rd February 2026</b>  Dispaching of the samples</p>	<p><b>13th February 2026</b> <i>Please inform us immediately if you don't receive a sample!!!</i></p>	<p><b>30th April 2026</b> Deadline for submitting results</p>	<p><b>1st May - 30th June 2026</b> Evaluation, issuance of certificates and reports, sending of results</p>
<p><b>PT 34/6A PT 34/6B PT 34/9A PT 34/9B</b></p>	<p><b>1st-2nd September 2026</b>  Dispaching of the samples</p>	<p><b>15th September 2026</b> <i>Please inform us immediately if you don't receive a sample!!!</i></p>	<p><b>30th October 2026</b>  Deadline for submitting results</p>	<p><b>2nd November – 18th December 2026</b> Evaluation, issuance of certificates and reports, sending of results</p>