



SPL-LABMAT s.r.o.

**SPL-LABMAT s.r.o.**  
1.máj 433, 735 31 Bohumín,  
Czech Republic  
tel:+420 596 014 627  
[info@spl-labmat.cz](mailto:info@spl-labmat.cz)  
[www.spl-labmat.cz](http://www.spl-labmat.cz)

## **PT 2025 Proficiency Test Programme** (unaccredited provider)

### **Provider of Proficiency Testing Schemes:**

SPL-LABMAT s.r.o.  
ul. 1. máje 433  
Czech Republic  
735 31 Bohumín 3  
ID No.: 06480870, VAT number: CZ06480870

### **Contact person:**

Ing. Martin Bogumský  
Tel. +420 596014627  
e-mail: [info@spl-labmat.cz](mailto:info@spl-labmat.cz)  
[www.spl-labmat.cz](http://www.spl-labmat.cz)

### **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 33/1 A, B, C, D, PT 33/2A, PT 33/4A Term: February - April 2025**

### **PT 33/1A**

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Ca, Sb, Pb, Zr, Zn, Ta, N **in low alloy steel, (grade S235JR, DIN 1.0037), solid sample (steel chips – 30g on e-mail request)** ~ (C < 0.26%; Mn < 1.3%; Si < 0.4%; P < 0.05%; S < 0.04%; Cu < 0.11%; Cr < 0.27%; Ni < 0.5%; Al < 0.1%; Mo < 0.07%; W < 0.03%; V < 0.04%; Ti < 0.04%; Co < 0.07%; As < 0.011%; Sn < 0.05%; B < 0.003%; Ca < 0.003%; Sb < 0.011%; Pb < 0.005%; Zr < 0.014%; Zn < 0.01%; Ta < 0.01%; 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.

### **PT 33/1B**

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, Ta, N **in low alloy steel, (grade 30CrNiMo8, DIN 1.6580, ČSN 416430), solid sample (steel chips – 30g on e-mail request)** ~ (C < 0.4%; Mn < 0.5%; Si < 0.32%; P < 0.05%; S < 0.02%; Cu < 0.21%; Cr < 2.1%; Ni < 2.4%; Al < 0.16%; Mo < 0.5%; W < 0.05%; V < 0.06%; Ti < 0.02%; Co < 0.04%; As < 0.02%; Sn < 0.03%; B < 0.001%; Ca < 0.005%; Nb < 0.05%; Sb < 0.02%; Pb < 0.02%; Zr < 0.03%; Zn < 0.02%; Ta < 0.007%; 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.

### PT 33/1C

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 low alloy steel, (grade 50CrMo4, DIN 1.7228), solid sample (steel chips – 30g on e-mail request) ~ (C < 0.6%; Mn < 0.9%; Si < 0.4%; P < 0.05%; S < 0.05%; Cu < 0.18%; Cr < 1.2%; Ni < 0.12%; Al < 0.02%; Mo < 0.3%; W < 0.05%; V < 0.08%; Ti < 0.07%; Co < 0.06%; As < 0.03%; Sn < 0.05%; B < 0.003%; Nb < 0.06%; Sb < 0.03%; Pb < 0.02%; Zr < 0.012%; Zn < 0.012%; Ta < 0.02%; 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 33/1D

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 in low alloy steel, (grade K07201 – Class C, ASTM A504/A504M-08) solid sample (steel chips – 30g on e-mail request) ~ (C < 0.9%; Mn < 0.9%; Si < 0.7%; P < 0.05%; S < 0.04%; Cu < 0.34%; Cr < 0.18%; Ni < 0.22%; Al < 0.07%; Mo < 0.07%; W < 0.016%; V < 0.04%; Ti < 0.02%; Co < 0.02%; As < 0.015%; Sn < 0.04%; B < 0.007%; Ca < 0.0015%; Nb < 0.05%; Sb < 0.011%; Pb < 0.003%; Zr < 0.011%; Zn < 0.01%; 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.

### PT 33/2A

Determination of N, O, H in alloy steel pins ~ (N < 0.020%; O < 32 ppm; H < 9 ppm) on combustion analysers.

### PT 33/4A

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Nb, Sb, Pb, Zr, Zn, Ce, Mg in ductile cast iron, solid sample (crushed sample 30g on e-mail request) ~ (C < 3.3%; Mn < 1.1%; Si < 3.1%; P < 0.09%; S < 0.012%; Cu < 1%; Cr < 0.28%; Ni < 0.5%; Al < 0.07%; Mo < 0.25%; W < 0.1%; V < 0.25%; Ti < 0.14%; Co < 0.03%; As < 0.04%; Sn < 0.08%; B < 0.014%; Nb < 0.03%; Sb < 0.05%; Pb < 0.02%; Zr < 0.03%; Zn < 0.02%; Ce < 0.03%; Mg < 0.05%) 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 33/6A, PT 33/9A, B

Term: September - October 2025

### PT 33/6A

Determination of C, Mn, Si, P, S, Cu, Cr, Ni, Al, Mo, W, V, Ti, Co, As, Sn, B, Ca, N in alloy steel, (grade X10CrMo17, DIN 1.4125, AISI440C), solid sample (steel chips – 30g on e-mail request) ~ (C < 1.3%; Mn < 1.1%; Si < 0.9%; P < 0.04%; S < 0.015%; Cu < 0.1%; Cr < 19%; Ni < 0.2%; Al < 0.06%; Mo < 1.3%; W < 0.07%; V < 0.18%; Ti < 0.05%; Co < 0.06%; As < 0.009%; Sn < 0.03%; B < 0.003%; Ca < 0.0014%; 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 33/9A

Determination of Si, C, Al, Mn, P, Cr, Ti, Ca, Sr, Ba in FeSi inoculant (očkovadlo) SB5 (ferrosilicon with addition of barium) (70g) ~ (Si < 67%; C < 0.11%; Al < 1.7%; Mn < 0.6%; P < 0.03%; Cr < 0.06%; Ti < 0.09%; Ca < 1.2%; Sr < 0.09%; Ba < 2.7%) by X-Ray Fluorescence spectrometries and wet-way analysis

### PT 33/9B

Determination of Si, C, Al, Mn, P, Cr, Ti, Ca, Sr, Ba in FeSi inoculant (očkovadlo) SRF75 (ferrosilicon with addition of strontium) (70g) ~ (Si < 74%; C < 0.02%; Al < 0.4%; Mn < 0.6%;

P < 0.04%; Cr < 0.12%; Ti < 0.07%; Ca < 0.12%; Sr < 1.2%; Ba < 0.04%) by X-Ray Fluorescence spectrometries and wet-way analysis

### SPL-LABMAT PT 2025 time schedule

<p><b>PT 33/1 A, B, C, D PT 33/2A PT 33/4A</b></p>	<p><b>3rd-4th February 2025</b>  Dispaching of the samples</p>	<p><b>14th February 2025</b> <i>Please inform us immediately if you don't receive a sample!!!</i></p>	<p><b>30th April 2025</b> Deadline for submitting results</p>	<p><b>2nd May - 30th June 2025</b> Evaluation, issuance of certificates and reports, sending of results</p>
<p><b>PT 33/6A PT 33/9A PT 33/9B</b></p>	<p><b>1st-2nd September 2025</b>  Dispaching of the samples</p>	<p><b>15th September 2025</b> <i>Please inform us immediately if you don't receive a sample!!!</i></p>	<p><b>31st October 2025</b>  Deadline for submitting results</p>	<p><b>3rd November – 19th December 2025</b> Evaluation, issuance of certificates and reports, sending of results</p>