

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Testing laboratory locations:

- | | | |
|----|--|---|
| 1. | Workplace No. 1 České Budějovice | Vrbenská 1821/31, 370 06 České Budějovice |
| 2. | Workplace No. 2 Plzeň | Šlovice 122, 321 00 Plzeň |
| 3. | Workplace No. 3 Brno | Tovární 3 (Strabag site), 643 00 Brno |
| 4. | Workplace No. 4 Olomouc | Tovární 731, 783 53 Velká Bystřice |
| 5. | Workplace No. 5 Ostrava | Polanecká 827, 721 08 Ostrava – Svinov |
| 6. | Workplace No. 6 Praha | Ústřední 62, 102 00 Praha 10 |
| 7. | Workplace No. 7 Chemical Laboratory | Tovární 731, 783 53 Velká Bystřice |

The laboratory applies a flexible approach to the scope of accreditation.

The current list of activities carried out within the flexible scope is publicly available (on the laboratory's website www.tpaqi.com) in the form „List of activities within the flexible scope of accreditation“.

The laboratory provides opinions and interprets test results.

The laboratory is qualified to carry out independent sampling.

Detailed information on activities within the scope of accreditation (determined analytes) is given in the section „Specification of the scope of accreditation“.

1. Workplace No. 1 České Budějovice

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
101	Determination of particle size distribution – sieving analysis	ČSN EN 933-1; EN 933-1	Aggregates	A, B, D
102	Determination of the water content by drying in a ventilated oven	ČSN EN 1097-5; EN 1097-5	Aggregates	A, B, D
103	Determination of particle density and water absorption	ČSN EN 1097-6, excl. Annex E; EN 1097-6, excl. Annex E	Aggregates	A, B, D
104	Determination of particle shape - Shape index	ČSN EN 933-4; EN 933-4	Aggregates	A, B, D
105	Reserved			
106	Methylene blue test	ČSN EN 933-9; EN 933-9	Aggregates	A, B, D
107-108	Reserved			
109	Sand equivalent test	ČSN EN 933-8+A1; EN 933-8+A1	Aggregates	A, B, D
110	Determination of adhesion of bituminous binder to aggregate	ČSN 73 6161	Bitumen and bituminous binders	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
111	Determination of needle penetration	ČSN EN 1426; EN 1426; ČSN EN 12697-3; EN 12697-3	Bitumen and bituminous binders	A, B, D
112	Determination of softening point by ring and ball method	ČSN EN 1427; EN 1427; ČSN EN 12697-3; EN 12697-3	Bitumen and bituminous binders	A, B, D
113	Determination of ductility	ČSN 65 7061	Bitumen and bituminous binders	A, B, D
114	Reserved			
115	Determination of the elastic recovery of modified bitumen	ČSN EN 13398; EN 13,398	Bitumen and bituminous binders	A, B, D
116	Determination of soluble binder content	ČSN EN 12697-1; EN 12697-1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
117	Marshall test	ČSN EN 12697-34; EN 12697-34	Bituminous mixtures	A, B, D
118	Determination of bulk density of bituminous specimens	ČSN EN 12697-6; EN 12697-6; ČSN EN 12697-29; EN 12697-29; ČSN EN 12697-30; EN 12697-30	Bituminous mixtures	A, B, D
119	Determination of absorption power of bituminous mixture on Marshall specimens	ČSN 73 6160, cl. 6	Bituminous mixtures	A, B, D
120	Determination of the water sensitivity of bituminous specimen	ČSN EN 12697-12; EN 12697-12	Bituminous mixtures	A, B, D
121	Determination of binder drainage	ČSN EN 12697-18 cl. 1, 2, 3, 5; EN 12697-18 cl. 1, 2, 3, 5	Bituminous mixtures	A, B, D
122	Determination of the indirect tensile strength	ČSN EN 12697-23; EN 12697-23	Bituminous mixtures	A, B, D
123	Wheel tracking test	ČSN EN 12697-22; EN 12697-22	Bituminous mixtures	A, B, D
124	Reserved			
125	Determination of the degree of compaction of a bituminous mixtures using cored specimens	ČSN 73 6160 cl. 7.2 method a), c)	Pavement courses	A, B, D
126	Determination of the thickness of a bituminous pavement (destructive measurement)	ČSN EN 12697-36, cl. 1-3, 4.1, 5, 6 EN 12697-36, cl. 1-3, 4.1, 5, 6	Pavement courses	A, B, D
127	Shear test of connection of bituminous layers	ČSN 73 6160 cl. 7.3	Pavement courses	A, B, D
128*	Determination of the bulk density by non-destructive methods	ČSN 73 1375; ČSN 72 1006, Annex F; ČSN 73 6160 cl. 7.2 method b)	Pavement courses	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
129*	Irregularity measurement of pavement courses by check bar	ČSN 73 6175, chap. 8 ČSN EN 13036-8, excl. cl. 1.3.2 Annex A EN 13036-8, excl. cl. 1.3.2 Annex A	Pavement courses	A, B, D
130*	Irregularity measurement of pavement courses by planograph	ČSN 73 6175, cl. 9	Pavement courses	A, B, D
131	Determination of water content	ČSN EN ISO 17892-1; EN ISO 17892-1	Soils	A, B, D
132*	Determination of density	ČSN 72 1010, method A, D1	Soils	A, B, D
133	Determination of laboratory reference density and water content – Proctor test	ČSN EN 13286-2, excl. cl. 7.3 and 7.6; EN 13286-2, excl. cl. 7.3 and 7.6	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
134	Determination of particle size distribution	ČSN EN ISO 17892-4, cl. 5.1-5.3 EN ISO 17892-4, cl. 5.1-5.3	Soils	A, B, D
135	Determination of Atterberg limits	ČSN EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7); EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7)	Soils	A, B, D
136	Laboratory determination of relative density	ČSN 72 1018	Soils	A, B, D
137*	Impact loading test by light dynamic plate	ČSN 73 6192, method C	Soils and base courses	A, B, D
138*	Static loading test	ČSN 73 6190; ČSN 72 1006, Annex A, B, D	Soils and base courses	A, B, D
139	Determination of California bearing ratio, immediate bearing index and linear swelling	ČSN EN 13286-47; EN 13286-47	Soils and base courses	A, B, D
140*	Slump test	ČSN EN 12350-2; EN 12350-2	Fresh concrete	A, B, D
141	Reserved			
142*	Determination of air content – Pressure methods	ČSN EN 12350-7 excl. cl. 5; EN 12350-7, excl. cl. 5	Fresh concrete	A, B, D
143	Determination of compressive strength of test specimens	ČSN EN 12390-3; EN 12390-3; ČSN EN 12504-1, excl. cl. 6; EN 12504-1, excl. cl. 6	Hardened concrete	A, B, D
144	Reserved			
145	Determination of density	ČSN EN 12390-7; EN 12390-7	Hardened concrete	A, B, D
146	Determination of depth of penetration of water under pressure	ČSN EN 12390-8; EN 12390-8	Hardened concrete	A, B, D
147	Determination of cement concrete surface resistance to water and chemical de-icing agents	ČSN 73 1326, method A, method C	Hardened concrete	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
148	Determination of grain size	ČSN EN 12697-2+A1; EN 12697-2+A1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
149*	Determination of degree of compactability	ČSN EN 12350-4; EN 12350-4	Fresh concrete	A, B, D
150*	Determination of mass per unit volume	ČSN EN 12350-6; EN 12350-6; IZP No. 21 (ČSN EN 12350-6 - Modified test method)	Fresh concrete	A, B, D
151*	Determination of hardness by rebound tester	ČSN 73 1370; ČSN 73 1373, excl. cl. 6.3 and Annex A and B; ČSN EN 12504-2; EN 12504-2	Hardened concrete	A, B, D
152-154	Reserved			
155*	Pile integrity test – PIT method	IZP No. 24 (Manual to PIT equipment); ASTM D5882, cl. 6	Concrete and reinforced concrete structures	A, B, D
156-157	Reserved			
158	Determination of grading of fillers	ČSN EN 933-10; EN 933-10	Aggregates	A, B, D
159	Reserved			
160	Determination of loose bulk density and voids	ČSN EN 1097-3; EN 1097-3	Aggregates	A, B, D
161	Determination of compressive strength	ČSN EN 13286-41; EN 13286-41	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
162	Determination of the thickness of a concrete pavement from cores	ČSN EN 13863-3; EN 13863-3	Pavement courses	A, B, D
163	Determination of voids	ČSN 73 6124-2, Annex A	Concrete drainage layers	A, B, D
164	Reserved			
165	Determination of the indirect tensile strength	ČSN EN 13286-42; EN 13286-42	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
166*	Determination of pavement surface macrotexture depth using a volumetric patch technique	ČSN EN 13036-1; EN 13036-1	Pavement courses	A, B, D
167	Reserved			
168*	Determination of layer adhesion and tensile strength of surface layers	ČSN 73 6242, Annex B	Concrete structures and components, insulation layers	A, B, D
169*	Testing of impermeability of layers	ČSN 73 6242, Annex D, E	Concrete structures and components, insulation layers	A, B, D
170*	Pile integrity test – CHA method	IZP No. 25 (manual to CHA equipment); ASTM D6760, cl. 7	Concrete and reinforced concrete structures	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
171	Determination of the maximum density	ČSN EN 12697-5; EN 12697-5	Bituminous mixtures	A, B, D
172	Determination of the air void content	ČSN EN 12697-8; EN 12697-8	Bituminous mixtures	A, B, D
173*	Determination of water content of bridge deck by gravimetric method	TP 211, Annex 3; TP 164, Annex 2	Hardened concrete	A, B, D
174*	Determination of sprayed volume	Izp No. 22	Pavement courses	A, B, D

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 degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
101	Fresh concrete sampling	ČSN EN 12350-1; EN 12350-1	Fresh concrete
102	Aggregate sampling	ČSN EN 932-1, cl. 8.2, 8.8, 8.9; EN 932-1, cl. 8.2, 8.8, 8.9	Aggregates
103	Bituminous mixture sampling	ČSN EN 12697-27, cl. 4.1, 4.3, 4.7; EN 12697-27, cl. 4.1, 4.3, 4.7	Bituminous mixtures
104	Sampling - cored specimens	ČSN EN 12504-1, cl. 6; EN 12504-1, cl. 6	Hardened concrete
105	Bituminous binder sampling	ČSN EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5; EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5	Bitumen and bituminous binders

¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Abbreviations:

EN – European standard without national annexes and appendices

IZP – Internal test procedure

CHA method - determines the quality of concrete between a pair of pre-installed pipes in bored piles, underground walls or other types of concrete foundations

PIT method - a non-destructive testing method used to verify pile parameters - especially pile shape (cross-section and length) and stem integrity (cracks and anomalies)

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

2. Workplace No. 2 Plzeň

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
201	Determination of particle size distribution – sieving analysis	ČSN EN 933-1; EN 933-1	Aggregates	A, B, D
202	Determination of the water content by drying in a ventilated oven	ČSN EN 1097-5; EN 1097-5	Aggregates	A, B, D
203	Determination of particle density and water absorption	ČSN EN 1097-6, excl. cl. 7, 9 and Annex A.3 and B; EN 1097-6, excl. cl. 7, 9 and Annexes A.3 and B	Aggregates	A, B, D
204	Determination of particle shape - Shape index	ČSN EN 933-4; EN 933-4	Aggregates	A, B, D
205-208	Reserved			
209	Sand equivalent test	ČSN EN 933-8+A1; EN 933-8+A1	Aggregates	A, B, D
210	Determination of adhesion of bituminous binder to aggregate	ČSN 73 6161	Bitumen and bituminous binders	A, B, D
211	Determination of needle penetration	ČSN EN 1426; EN 1426	Bitumen and bituminous binders	A, B, D
212	Determination of softening point by ring and ball method	ČSN EN 1427; EN 1427	Bitumen and bituminous binders	A, B, D
213-215	Reserved			
216	Determination of soluble binder content	ČSN EN 12697-1; EN 12697-1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
217	Marshall test	ČSN EN 12697-34; EN 12697-34	Bituminous mixtures	A, B, D
218	Determination of bulk density of bituminous specimens	ČSN EN 12697-6; EN 12697-6; ČSN EN 12697-29; EN 12697-29; ČSN EN 12697-30; EN 12697-30	Bituminous mixtures	A, B, D
219	Reserved			
220	Determination of the water sensitivity of bituminous specimen	ČSN EN 12697-12; EN 12697-12	Bituminous mixtures	A, B, D
221	Determination of binder drainage	ČSN EN 12697-18 cl. 1, 2, 3, 5; EN 12697-18 cl. 1, 2, 3, 5	Bituminous mixtures	A, B, D
222	Determination of the indirect tensile strength	ČSN EN 12697-23; EN 12697-23	Bituminous mixtures	A, B, D
223-224	Reserved			

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
225	Determination of the degree of compaction of a bituminous mixtures using cored specimens	ČSN 73 6160 cl. 7.2 method a), c)	Pavement courses	A, B, D
226	Determination of the thickness of a bituminous pavement (destructive measurement)	ČSN EN 12697-36, excl. cl. 4.4 and 6.2; EN 12697-36, excl. cl. 4.4 and 6.2	Pavement courses	A, B, D
227	Shear test of connection of bituminous layers	ČSN 73 6160 cl. 7.3	Pavement courses	A, B, D
228*	Determination of the bulk density by non-destructive methods	ČSN 73 1375; ČSN 72 1006, Annex F; ČSN 73 6160 cl. 7.2 method b)	Pavement courses	A, B, D
229*	Irregularity measurement of pavement courses by check bar	ČSN 73 6175, cl. 8; ČSN EN 13036-8, excl. cl. 1.3.2 Annex A; EN 13036-8, excl. cl. 1.3.2 Annex A	Pavement courses	A, B, D
230*	Irregularity measurement of pavement courses by planograph	ČSN 73 6175, cl. 9	Pavement courses	A, B, D
231	Determination of water content	ČSN EN ISO 17892-1; EN ISO 17892-1	Soils	A, B, D
232*	Determination of soil density	ČSN 72 1010, method A, D1	Soils	A, B, D
233	Determination of laboratory reference density and water content – Proctor test	ČSN EN 13286-2, excl. cl. 7.3 and 7.6; EN 13286-2, excl. cl. 7.3 and 7.6	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
234	Determination of particle size distribution of soils	ČSN EN ISO 17892-4, cl. 5.1 – 5.3; EN ISO 17892-4, cl. 5.1 – 5.3	Soils	A, B, D
235	Determination of Atterberg limits	ČSN EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7); EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7)	Soils	A, B, D
236	Laboratory determination of relative density	ČSN 72 1018	Soils	A, B, D
237*	Impact loading test by light dynamic plate	ČSN 73 6192, method C	Soils and base courses	A, B, D
238*	Static loading test	ČSN 73 6190; ČSN 72 1006, Annex A, B, D	Soils and base courses	A, B, D
239	Determination of California bearing ratio, immediate bearing index and linear swelling	ČSN EN 13286-47; EN 13286-47	Soils and base courses	A, B, D
240*	Slump test	ČSN EN 12350-2; EN 12350-2	Fresh concrete	A, B, D
241	Reserved			
242*	Determination of air content – Pressure methods	ČSN EN 12350-7 excl. cl. 5; EN 12350-7 excl. cl. 5	Fresh concrete	A, B, D
243-247	Reserved			

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
248	Determination of grain size	ČSN EN 12697-2+A1; EN 12697-2+A1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
249*	Determination of degree of compactability	ČSN EN 12350-4; EN 12350-4	Fresh concrete	A, B, D
250*	Determination of mass per unit volume	ČSN EN 12350-6; EN 12350-6; IZP No. 21 (ČSN EN 12350-6)	Fresh concrete	A, B, D
251- 257	Reserved			
258	Determination of grading of fillers	ČSN EN 933-10; EN 933-10	Aggregates	A, B, D
259- 270	Reserved			A, B, D
271	Determination of the maximum density	ČSN EN 12697-5; EN 12697-5	Bituminous mixtures	A, B, D
272	Determination of the air void content of bituminous mixture	ČSN EN 12697-8; EN 12697-8	Bituminous mixtures	A, B, D
273	Reserved			
274*	Determination of sprayed volume	IZP No. 22	Pavement courses	A, B, D
275- 283	Reserved			
284	Asphalt binder analysis by ignition method	ČSN EN 12697-39; EN 12697-39	Bituminous mixtures	A, B, D

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 degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
201	Fresh concrete sampling	ČSN EN 12350-1; EN 12350-1	Fresh concrete
202	Aggregate sampling	ČSN EN 932-1, cl. 8.2, 8.8, 8.9; EN 932-1, cl. 8.2, 8.8, 8.9	Aggregates
203	Bituminous mixture sampling	ČSN EN 12697-27, cl. 4.1, 4.3, 4.7; EN 12697-27, cl. 4.1, 4.3, 4.7	Bituminous mixtures
204	Reserved		
205	Bituminous binder sampling	ČSN EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5; EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5	Bitumen and bituminous binders

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

- ¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

Abbreviations:

EN – European standard without national annexes and appendices
IZP – Internal test procedure

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

3. Workplace No. 3 Brno

Tests:

Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Subject of the test	Degrees of freedom³
301	Determination of particle size distribution – sieving analysis	ČSN EN 933-1; EN 933-1	Aggregates	A, B, D
302	Determination of the water content by drying in a ventilated oven	ČSN EN 1097-5; EN 1097-5	Aggregates	A, B, D
303	Determination of particle density and water absorption	ČSN EN 1097-6, excl. cl. 7, 9 and Annex A.3 and B; EN 1097-6, excl. cl. 7, 9 and Annex A.3 and B; ČSN EN 1097-7; EN 1097-7	Aggregates	A, B, D
304	Determination of particle shape - Shape index	ČSN EN 933-4; EN 933-4	Aggregates	A, B, D
305	Delta ring and ball test (test for filler aggregate used in bituminous mixtures)	ČSN EN 13179-1; EN 13179-1	Aggregates	A, B, D
306	Methylene blue test	ČSN EN 933-9; EN 933-9	Aggregates	A, B, D
307-308	Reserved			A, B, D
309	Sand equivalent test	ČSN EN 933-8+A1; EN 933-8+A1	Aggregates	A, B, D
310	Determination of adhesion of bituminous binder to aggregate	ČSN 73 6161	Bitumen and bituminous binders	A, B, D
311	Determination of needle penetration	ČSN EN 1426; EN 1426; ČSN EN 12697-3; EN 12697-3	Bitumen and bituminous binders	A, B, D
312	Determination of softening point by ring and ball method	ČSN EN 1427; EN 1427; ČSN EN 12697-3; EN 12697-3	Bitumen and bituminous binders	A, B, D
313	Determination of ductility	ČSN 65 7061	Bitumen and bituminous binders	A, B, D
314	Determination of Fraass breaking point	ČSN EN 12593; EN 12593	Bitumen and bituminous binders	A, B, D
315	Determination of the elastic recovery	ČSN EN 13 398; EN 13 398	Bitumen and bituminous binders	A, B, D
316	Determination of soluble binder content	ČSN EN 12697-1; EN 12697-1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
317	Marshall test	ČSN EN 12697-34; EN 12697-34	Bituminous mixtures	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
318	Determination of bulk density of bituminous specimens	ČSN EN 12697-6; EN 12697-6; ČSN EN 12697-29; EN 12697-29; ČSN EN 12697-30; EN 12697-30	Bituminous mixtures	A, B, D
319	Reserved			
320	Determination of water sensitivity of compacted bituminous mixture	ČSN EN 12697-12; EN 12697-12	Bituminous mixtures	A, B, D
321	Determination of binder drainage	ČSN EN 12697-18 cl. 1, 2, 3, 5; EN 12697-18 cl. 1, 2, 3, 5	Bituminous mixtures	A, B, D
322	Determination of the indirect tensile strength	ČSN EN 12697-23; EN 12697-23	Bituminous mixtures	A, B, D
323	Reserved			
324	Determination of hardness number using cube or cylindrical test specimens	ČSN EN 12697-20; EN 12697-20	Bituminous mixtures	A, B, D
325	Determination of the degree of compaction of a bituminous mixtures using cored specimens	ČSN 73 6160 cl. 7.2 method a), c)	Pavement courses	A, B, D
326	Determination of the thickness of a bituminous pavement (destructive measurement)	ČSN EN 12697-36, excl. cl. 4.4 and 6.2; EN 12697-36, excl. cl. 4.4 and 6.2	Pavement courses	A, B, D
327	Shear test of connection of bituminous layers	ČSN 73 6160, cl. 7.3	Pavement courses	A, B, D
328*	Determination of the bulk density by non-destructive methods	ČSN 73 1375; ČSN 72 1006, Annex F; ČSN 73 6160, cl. 7.2 method b)	Pavement courses	A, B, D
329*	Irregularity measurement of pavement courses by check bar	ČSN 73 6175, cl. 8; ČSN EN 13036-8, excl. cl. 1.3.2 Annex A; EN 13036-8, excl. cl. 1.3.2 Annex A	Pavement courses	A, B, D
330*	Irregularity measurement of pavement courses by planograph	ČSN 73 6175, cl. 9	Pavement courses	A, B, D
331	Determination of water content	ČSN EN ISO 17892-1; EN ISO 17892-1	Soils	A, B, D
332*	Determination of soil density	ČSN 72 1010, method A, D1	Soils	A, B, D
333	Reserved			
334	Determination of particle size distribution of soils	ČSN EN ISO 17892-4, cl. 5.1-5.3; EN ISO 17892-4, cl. 5.1-5.3	Soils	A, B, D
335	Determination of Atterberg limits	ČSN EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7); EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7)	Soils	A, B, D
336	Reserved			

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
337*	Impact loading test by light dynamic plate	ČSN 73 6192, method C	Soils and base courses	A, B, D
338*	Static loading test	ČSN 73 6190; ČSN 72 1006, Annex A, B, D	Soils and base courses	A, B, D
339	Reserved			
340*	Slump test	ČSN EN 12350-2; EN 12350-2	Fresh concrete	A, B, D
341	Reserved			
342*	Determination of air content – Pressure methods	ČSN EN 12350-7, excl. cl. 5; EN 12350-7, excl. cl. 5	Fresh concrete	A, B, D
343-347	Reserved			
348	Determination of grain size	ČSN EN 12697-2+A1; EN 12697-2+A1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
349*	Determination of degree of compactability	ČSN EN 12350-4; EN 12350-4	Fresh concrete	A, B, D
350*	Determination of mass per unit volume	ČSN EN 12350-6; EN 12350-6; IZP No. 21 (ČSN EN 12350-6)	Fresh concrete	A, B, D
351-356	Reserved			
357	Determination of the storage stability of modified bitumen	ČSN EN 13399; EN 13399	Bitumen and bituminous binders	A, B, D
358	Determination of grading of fillers	ČSN EN 933-10; EN 933-10	Aggregates	A, B, D
359	Reserved			
360	Determination of loose bulk density and voids	ČSN EN 1097-3; EN 1097-3	Aggregates	A, B, D
361-366	Reserved			
367*	Measurement of slip/skid resistance of a surface – pendulum test	ČSN EN 13036-4; EN 13036-4	Pavement courses	A, B, D
368*	Determination of layer adhesion and tensile strength of surface layers	ČSN 73 6242, Annex B	Concrete structures and components, insulation layers	A, B, D
369-370	Reserved			
371	Determination of the maximum density	ČSN EN 12697-5; EN 12697-5	Bituminous mixtures	A, B, D
372	Determination of the air void content of bituminous mixture	ČSN EN 12697-8; EN 12697-8	Bituminous mixtures	A, B, D
373	Reserved			
374*	Determination of sprayed volume	IZP No. 22	Pavement courses	A, B, D
375	Determination of complex shear modulus and phase angle - Dynamic Shear Rheometer (DSR)	ČSN EN 14770; EN 14770	Bitumen and bituminous binders	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
376	MSCR Test (Multiple Stress Creep and Recovery Test)	ČSN EN 16659; EN 16659	Bitumen and bituminous binders	A, B, D
377	Determination of dynamic viscosity by cone and plate method	ČSN EN 13702; EN 13702	Bitumen and bituminous binders	A, B, D
378	Determination of the resistance to hardening under influence of heat and air. RTFOT method	ČSN EN 12607-1; EN 12607-1	Bitumen and bituminous binders	A, B, D

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 degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
301	Fresh concrete sampling	ČSN EN 12350-1; EN 12350-1	Fresh concrete
302	Aggregate sampling	ČSN EN 932-1, cl. 8.2, 8.8, 8.9; EN 932-1, cl. 8.2, 8.8, 8.9	Aggregates
303	Bituminous mixture sampling	ČSN EN 12697-27, cl. 4.1, 4.2, 4.3, 4.7; EN 12697-27, cl. 4.1, 4.2, 4.3, 4.7	Bituminous mixtures
304	Reserved		
305	Bituminous binder sampling	ČSN EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5; EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5	Bitumen and bituminous binders

¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

Abbreviations:

EN – European standard without national annexes and appendices

IZP – Internal test procedure

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

4. Workplace No. 4 Olomouc

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
401	Determination of particle size distribution – sieving analysis	ČSN EN 933-1; EN 933-1	Aggregates	A, B, D
402	Determination of the water content by drying in a ventilated oven	ČSN EN 1097-5; EN 1097-5	Aggregates	A, B, D
403	Determination of particle density and water absorption	ČSN EN 1097-6, excl. cl. 7 and Annex A.3 and B; EN 1097-6, excl. cl. 7, 9 and Annex A.3 and B	Aggregates	A, B, D
404	Determination of particle shape - Shape index	ČSN EN 933-4; EN 933-4	Aggregates	A, B, D
405	Reserved			
406	Methylene blue test	ČSN EN 933-9; EN 933-9	Aggregates	A, B, D
407	Determination of resistance to fragmentation	ČSN EN 1097-2, except Art. 6; EN 1097-2, except Art. 6	Aggregates	A, B, D
408	Determination of resistance to freezing and thawing	ČSN EN 1367-1; EN 1367-1	Aggregates	A, B, D
409	Reserved			
410	Determination of adhesion of bituminous binder to aggregate	ČSN 73 6161	Bitumen and bituminous binders	A, B, D
411	Determination of needle penetration	ČSN EN 1426; EN 1426	Bitumen and bituminous binders	A, B, D
412	Determination of softening point by ring and ball method	ČSN EN 1427; EN 1427	Bitumen and bituminous binders	A, B, D
413-415	Reserved			
416	Determination of soluble binder content	ČSN EN 12697-1; EN 12697-1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
417	Marshall test	ČSN EN 12697-34; EN 12697-34	Bituminous mixtures	A, B, D
418	Determination of bulk density of bituminous specimens	ČSN EN 12697-6; EN 12697-6; ČSN EN 12697-29; EN 12697-29; ČSN EN 12697-30; EN 12697-30	Bituminous mixtures	A, B, D
419	Determination of absorption power on Marshall specimens	ČSN 73 6160 cl. 6	Bituminous mixtures	A, B, D
420	Determination of the water sensitivity of bituminous specimen	ČSN EN 12697-12; EN 12697-12	Bituminous mixtures	A, B, D
421	Determination of binder drainage	ČSN EN 12697-18 cl. 1, 2, 3, 5; EN 12697-18 cl. 1, 2, 3, 5	Bituminous mixtures	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
422	Determination of the indirect tensile strength	ČSN EN 12697-23; EN 12697-23	Bituminous mixtures	A, B, D
423	Wheel tracking test	ČSN EN 12697-22; EN 12697-22	Bituminous mixtures	A, B, D
424	Reserved			
425	Determination of the degree of compaction of a bituminous mixtures using cored specimens	ČSN 73 6160 cl. 7.2 method a), c)	Pavement courses	A, B, D
426	Determination of the thickness of a bituminous pavement (destructive measurement)	ČSN EN 12697-36, excl. cl. 4.4 and 6.2; EN 12697-36, excl. cl. 4.4 and 6.2	Pavement courses	A, B, D
427	Shear test of connection of bituminous layers	ČSN 73 6160 cl. 7.3	Pavement courses	A, B, D
428*	Determination of the bulk density by non-destructive methods	ČSN 73 1375; ČSN 72 1006, Annex F; ČSN 73 6160, cl. 7.2 method b)	Pavement courses	A, B, D
429*	Irregularity measurement of pavement courses by check bar	ČSN 73 6175, cl. 8; ČSN EN 13036-8, excl. cl. 1.3.2 Annex A; EN 13036-8, excl. cl. 1.3.2 Annex A	Pavement courses	A, B, D
430	Reserved			
431	Determination of water content	ČSN EN ISO 17892-1; EN ISO 17892-1	Soils	A, B, D
432*	Determination of soil density	ČSN 72 1010 method A, D1	Soils	A, B, D
433	Determination of laboratory reference density and water content – Proctor test	ČSN EN 13286-2, excl. cl. 7.3 and 7.6; EN 13286-2, excl. cl. 7.3 and 7.6	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
434	Determination of particle size distribution of soils	ČSN EN ISO 17892-4, cl. 5.1-5.3; EN ISO 17892-4, cl. 5.1-5.3	Soils	A, B, D
435	Determination of Atterberg limits	ČSN EN ISO 17892-12 excl. cl. 4.3, 5.4, 6.3 and A.3.7; EN ISO 17892-12 excl. cl. 4.3, 5.4, 6.3 and A.3.7	Soils	A, B, D
436	Laboratory determination of relative density	ČSN 72 1018	Soils	A, B, D
437*	Impact loading test by light dynamic plate	ČSN 73 6192, method C	Soils and base courses	A, B, D
438*	Static loading test	ČSN 73 6190; ČSN 72 1006, Annex A, B, D	Soils and base courses	A, B, D
439	Determination of California bearing ratio, immediate bearing index and linear swelling	ČSN EN 13286-47; EN 13286-47	Soils and base courses	A, B, D
440*	Slump test	ČSN EN 12350-2; EN 12350-2	Fresh concrete	A, B, D
441*	Flow table test	ČSN EN 12350-5; EN 12350-5	Fresh concrete	A, B, D
442*	Determination of air content – Pressure methods	ČSN EN 12350-7, excl. cl. 5; EN 12350-7, excl. cl. 5	Fresh concrete	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
443	Determination of compressive strength of test specimens	ČSN EN 12390-3; EN 12390-3; ČSN EN 12504-1, excl. cl. 6; EN 12504-1, excl. cl. 6	Hardened concrete	A, B, D
444	Determination of flexural strength of test specimens	ČSN EN 12390-5; EN 12390-5	Hardened concrete	A, B, D
445	Determination of density of hardened concrete	ČSN EN 12390-7; EN 12390-7	Hardened concrete	A, B, D
446	Determination of depth of penetration of water under pressure, determination of watertightness	ČSN EN 12390-8; EN 12390-8; ČSN 73 1321: 1987	Hardened concrete	A, B, D
447	Determination of cement concrete surface resistance to water and chemical de-icing agents	ČSN 73 1326, method A	Hardened concrete	A, B, D
448	Determination of grain size	ČSN EN 12697-2+A1; EN 12697-2+A1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
449*	Determination of degree of compactability	ČSN EN 12350-4; EN 12350-4	Fresh concrete	A, B, D
450*	Determination of mass per unit volume	ČSN EN 12350-6; EN 12350-6; IZP No. 21 (ČSN EN 12350-6)	Fresh concrete	A, B, D
451-454	Reserved			
455*	Pile integrity test – PIT method	IZP No. 24; ASTM D5882, cl.6	Concrete and reinforced concrete structures	A, B, D
456	Reserved			
457	Determination of the storage stability	ČSN EN 13399; EN 13399	Bitumen and bituminous binders	A, B, D
458	Determination of grading of fillers	ČSN EN 933-10; EN 933-10	Aggregates	A, B, D
459-460	Reserved			
461	Determination of compressive strength	ČSN EN 13286-41; EN 13286-41	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
462	Determination of the thickness of a concrete pavement from cores	ČSN EN 13863-3; EN 13863-3	Pavement courses	A, B, D
463	Reserved			
464	Determination of resistance to freezing and water	ČSN 73 6124-1, Annex A	Hydraulically bound mixtures	A, B, D
465	Determination of the indirect tensile strength	ČSN EN 13286-42; EN 13286-42	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
466-467	Reserved			

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
468*	Determination of layer adhesion and tensile strength of surface layers	ČSN 73 6242, Annex B	Concrete structures and components, insulation layers	A, B, D
469	Reserved			
470*	Pile integrity test –CHA method	IZP No. 25; ASTM D6760, cl. 7	Concrete and reinforced concrete structures	A, B, D
471	Determination of the maximum density	ČSN EN 12697-5; EN 12697-5	Bituminous mixtures	A, B, D
472	Determination of the air void content of bituminous mixture	ČSN EN 12697-8; EN 12697-8	Bituminous mixtures	A, B, D
473	Reserved			
474*	Determination of sprayed volume	IZP No. 22	Pavement courses	A, B, D
475-481	Reserved			
482	Determination of density	ČSN EN 1015-10; EN 1015-10	Mortars	A, B, D
483	Determination of flexural and compressive strength	ČSN EN 1015-11; EN 1015-11; ČSN EN 13892-2; EN 13892-2	Mortars, screed materials	A, B, D
484	Reserved			A, B, D
485*	Determination of protection of surface layer steel reinforcement	ČSN 73 2011, Annex A	Concrete and reinforced concrete structures	A, B, D

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 degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
401	Fresh concrete sampling	ČSN EN 12350-1; EN 12350-1	Fresh concrete
402	Aggregate sampling	ČSN EN 932-1, cl. 8.2, 8.8, 8.9; EN 932-1, cl. 8.2, 8.8, 8.9	Aggregates
403	Bituminous mixture sampling	ČSN EN 12697-27, cl. 4.1, 4.3, 4.7; EN 12697-27, cl. 4.1, 4.3, 4.7	Bituminous mixtures
404	Sampling - cored specimens	ČSN EN 12504-1, cl. 6; EN 12504-1, cl. 6	Hardened concrete

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
405	Bituminous binder sampling	CSN EN 58, articles 8.1.3, 8.1.5, 8.2.2, 8.2.5; EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5	Bitumen and bituminous binders

¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

Abbreviations:

EN – European standard without national annexes and appendices

IZP – Internal test procedure

CHA method - determines the quality of concrete between a pair of pre-installed pipes in bored piles, underground walls or other types of concrete foundations

PIT method - a non-destructive testing method used to verify pile parameters - especially pile shape (cross-section and length) and stem integrity (cracks and anomalies)

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

5. Workplace No. 5 Ostrava

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
501	Determination of particle size distribution – sieving analysis	ČSN EN 933-1; EN 933-1	Aggregates	A, B, D
502	Determination of the water content by drying in a ventilated oven	ČSN EN 1097-5; EN 1097-5	Aggregates	A, B, D
503	Determination of particle density and water absorption	ČSN EN 1097-6, excl. cl. 7; EN 1097-6, excl. cl. 7	Aggregates	A, B, D
504	Determination of particle shape - Shape index	ČSN EN 933-4; EN 933-4	Aggregates	A, B, D
505	Reserved			
506	Methylene blue test	ČSN EN 933-9; EN 933-9	Aggregates	A, B, D
507-509	Reserved			
510	Determination of adhesion of bituminous binder to aggregate	ČSN 73 6161	Bitumen and bituminous binders	A, B, D
511	Determination of needle penetration	ČSN EN 1426; EN 1426; ČSN EN 12697-3; EN 12697-3	Bitumen and bituminous binders	A, B, D
512	Determination of softening point by ring and ball method	ČSN EN 1427; EN 1427; ČSN EN 12697-3; EN 12697-3	Bitumen and bituminous binders	A, B, D
513-515	Reserved			
516	Determination of soluble binder content	ČSN EN 12697-1; EN 12697-1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
517	Marshall test	ČSN EN 12697-34	Bituminous mixtures	A, B, D
518	Determination of bulk density of bituminous specimens	ČSN EN 12697-6; EN 12697-6; ČSN EN 12697-29; EN 12697-29; ČSN EN 12697-30; EN 12697-30	Bituminous mixtures	A, B, D
519	Determination of absorption power on Marshall specimens	ČSN 73 6160, cl. 6	Bituminous mixtures	A, B, D
520	Determination of the water sensitivity of bituminous specimen	ČSN EN 12697-12; EN 12697-12	Bituminous mixtures	A, B, D
521	Determination of binder drainage	ČSN EN 12697-18 cl. 1, 2, 3, 5 EN 12697-18 cl. 1, 2, 3, 5	Bituminous mixtures	A, B, D
522	Determination of the indirect tensile strength	ČSN EN 12697-23; EN 12697-23	Bituminous mixtures	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
523-524	Reserved			A, B, D
525	Determination of the degree of compaction of a bituminous mixtures using cored specimens	ČSN 73 6160 cl. 7.2 method a), c)	Pavement courses	A, B, D
526	Determination of the thickness of a bituminous pavement (destructive measurement)	ČSN EN 12697-36, excl. cl. 4.4 and 6.2; EN 12697-36, excl. cl. 4.4 and 6.2	Pavement courses	A, B, D
527	Shear test of connection of bituminous layers	ČSN 73 6160, cl. 7.3	Pavement courses	A, B, D
528*	Determination of the bulk density by non-destructive methods	ČSN 73 1375; ČSN 72 1006, Annex F; ČSN 73 6160, cl. 7.2 method b)	Pavement courses	A, B, D
529*	Irregularity measurement of pavement courses by check bar	ČSN 73 6175, cl. 8 ČSN EN 13036-8, excl. cl. 1.3.2 Annex A; EN 13036-8, exl. cl. 1.3.2 Annex A	Pavement courses	A, B, D
530*	Irregularity measurement of pavement courses by planograph	ČSN 73 6175, chap. 9	Pavement courses	A, B, D
531	Determination of water content	ČSN EN ISO 17892-1; EN ISO 17892-1	Soils	A, B, D
532*	Determination of soil density	ČSN 72 1010, method A, D1	Soils	A, B, D
533	Determination of laboratory reference density and water content – Proctor test	ČSN EN 13286-2, excl. cl. 7.3 and 7.6; EN 13286-2, excl. cl. 7.3 and 7.6	unbound mixtures, hydraulically bound mixtures and soils	A, B, D
534	Determination of particle size distribution of soils	ČSN EN ISO 17892-4, cl. 5.1-5.3; EN ISO 17892-4, cl. 5.1-5.3	Soils	A, B, D
535	Determination of Atterberg limits	ČSN EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7); EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7)	Soils	A, B, D
536	Reserved			
537*	Impact loading test by light dynamic plate	ČSN 73 6192, method C	Soils and base courses	A, B, D
538*	Static loading test	ČSN 73 6190; ČSN 72 1006, Annex A, B, D	Soils and base courses	A, B, D
539	Determination of California bearing ratio, immediate bearing index and linear swelling	ČSN EN 13286-47; EN 13286-47	Soils and base courses	A, B, D
540*	Slump test	ČSN EN 12350-2; EN 12350-2	Fresh concrete	A, B, D
541	Reserved			
542*	Determination of air content – Pressure methods	ČSN EN 12350-7, excl. cl. 5; EN 12350-7, excl. cl. 5	Fresh concrete	A, B, D
543	Determination of compressive strength of test specimens	ČSN EN 12390-3; EN 12390-3; ČSN EN 12504-1, excl. cl. 6; EN 12504-1, excl. cl. 6	Hardened concrete	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
544	Determination of flexural strength of test specimens	ČSN EN 12390-5; EN 12390-5	Hardened concrete	A, B, D
545	Determination of density of hardened concrete	ČSN EN 12390-7; EN 12390-7	Hardened concrete	A, B, D
546	Determination of depth of penetration of water under pressure	ČSN EN 12390-8; EN 12390-8	Hardened concrete	A, B, D
547	Reserved			
548	Determination of grain size	ČSN EN 12697-2+A1; EN 12697-2+A1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
549*	Determination of degree of compactability	ČSN EN 12350-4; EN 12350-4	Fresh concrete	A, B, D
550*	Determination of mass per unit volume	ČSN EN 12350-6; EN 12350-6; IZP No. 21 (ČSN EN 12350-6)	Fresh concrete	A, B, D
551*	Determination of hardness by rebound tester	ČSN 73 1370; ČSN 73 1373, excl. cl. 6.3 and Annex A and B; ČSN EN 12504-2; EN 12504-2	Hardened concrete	A, B, D
552-554	Reserved			
555*	Pile integrity test – PIT method	IZP No. 24; ASTM D5882, cl.6	Concrete and reinforced concrete structures	A, B, D
556-557	Reserved			
558	Determination of grading of fillers	ČSN EN 933-10; EN 933-10	Aggregates	A, B, D
559	Reserved			
560	Determination of loose bulk density and voids	ČSN EN 1097-3; EN 1097-3	Aggregates	A, B, D
561	Determination of compressive strength	ČSN EN 13286-41; EN 13286-41	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
562	Determination of the thickness of a concrete pavement from cores	ČSN EN 13863-3; EN 13863-3	Pavement courses	A, B, D
563	Determination of voids	ČSN 73 6124-2, Annex A	Concrete drainage layers	A, B, D
564	Reserved			
565	Determination of the indirect tensile strength	ČSN EN 13286-42; EN 13286-42	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
566	Determination of pavement surface macrotexture depth using a volumetric patch technique	ČSN EN 13036-1; EN 13036-1	Pavement courses	A, B, D
567	Reserved			

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
568*	Determination of layer adhesion and tensile strength of surface layers	ČSN 73 6242, Annex B	Concrete structures and components, insulation layers	A, B, D
569	Reserved			
570*	Pile integrity test – CHA method	IZP No. 25; ASTM D6760, cl.7	Concrete and reinforced concrete structures	A, B, D
571	Determination of the maximum density	ČSN EN 12697-5; EN 12697-5	Bituminous mixtures	A, B, D
572	Determination of voids	ČSN EN 12697-8; EN 12697-8	Bituminous mixtures	A, B, D
573	Reserved			
574*	Determination of sprayed volume	IZP No. 22	Pavement courses	A, B, D
575-584	Reserved			
585*	Determination of protection of surface layer steel reinforcement	ČSN 73 2011, Annex A	Concrete and reinforced concrete structures	A, B, D

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 degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
501	Fresh concrete sampling	ČSN EN 12350-1; EN 12350-1	Fresh concrete
502	Aggregate sampling	ČSN EN 932-1, cl. 8.2, 8.8, 8.9; EN 932-1, cl. 8.2, 8.8, 8.9	Aggregates
503	Bituminous mixture sampling	ČSN EN 12697-27, cl. 4.1, 4.3, 4.7; EN 12697-27, cl. 4.1, 4.3, 4.7	Bituminous mixtures
504	Sampling - cored specimens	ČSN EN 12504-1, cl. 6; EN 12504-1, cl. 6	Hardened concrete
505	Bituminous binder sampling	ČSN EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5; EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5	Bitumen and bituminous binders

¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Abbreviations:

EN – European standard without national annexes and appendices

IZP – Internal test procedure

CHA method - determines the quality of concrete between a pair of pre-installed pipes in bored piles, underground walls or other types of concrete foundations

PIT method - a non-destructive testing method used to verify pile parameters - especially pile

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

6. Workplace No. 6 **Praha**

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
601	Determination of particle size distribution – sieving analysis	ČSN EN 933-1; EN 933-1	Aggregates	A, B, D
602	Determination of the water content by drying in a ventilated oven	ČSN EN 1097-5; EN 1097-5	Aggregates	A, B, D
603	Determination of particle density and water absorption	ČSN EN 1097-6, excl. cl. 7; EN 1097-6, excl. cl. 7	Aggregates	A, B, D
604	Determination of particle shape - Shape index	ČSN EN 933-4; EN 933-4	Aggregates	A, B, D
605	Reserved			
606	Methylene blue test	ČSN EN 933-9; EN 933-9	Aggregates	A, B, D
607-608	Reserved			
609	Sand equivalent test	ČSN EN 933-8+A1; EN 933-8+A1	Aggregates	A, B, D
610	Determination of adhesion of bituminous binder to aggregate	ČSN 73 6161	Bitumen and bituminous binders	A, B, D
611	Determination of needle penetration	ČSN EN 1426; EN 1426; ČSN EN 12697-3; EN 12697-3	Bitumen and bituminous binders	A, B, D
612	Determination of softening point by ring and ball method	ČSN EN 1427; EN 1427; ČSN EN 12697-3; EN 12697-3	Bitumen and bituminous binders	A, B, D
613-615	Reserved			
616	Determination of soluble binder content	ČSN EN 12697-1; EN 12697-1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
617	Marshall test	ČSN EN 12697-34; EN 12697-34	Bituminous mixtures	A, B, D
618	Determination of bulk density of bituminous specimens	ČSN EN 12697-6; EN 12697-6; ČSN EN 12697-29; EN 12697-29; ČSN EN 12697-30; EN 12697-30	Bituminous mixtures	A, B, D
619	Determination of absorption power of bituminous mixture on Marshall specimens	ČSN 73 6160, cl. 6	Bituminous mixtures	A, B, D
620	Determination of the water sensitivity of bituminous specimen	ČSN EN 12697-12; EN 12697-12	Bituminous mixtures	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
621	Determination of binder drainage	ČSN EN 12697-18 cl. 1, 2, 3, 5; EN 12697-18 cl. 1, 2, 3, 5	Bituminous mixtures	A, B, D
622	Determination of the indirect tensile strength	ČSN EN 12697-23; EN 12697-23	Bituminous mixtures	A, B, D
623	Wheel tracking test	ČSN EN 12697-22; EN 12697-22	Bituminous mixtures	A, B, D
624	Reserved			
625	Determination of the degree of compaction of a bituminous mixtures using cored specimens	ČSN 73 6160 cl. 7.2 method a), c)	Pavement courses	A, B, D
626	Determination of the thickness of a bituminous pavement (destructive measurement)	ČSN EN 12697-36, excl. cl. 4.4 and 6.2; EN 12697-36, excl. cl. 4.4 and 6.2	Pavement courses	A, B, D
627	Shear test of connection of bituminous layers	ČSN 73 6160, cl. 7.3	Pavement courses	A, B, D
628*	Determination of the bulk density by non-destructive methods	ČSN 73 1375; ČSN 72 1006, Annex F; ČSN 73 6160, cl. 7.2 method b)	Pavement courses	A, B, D
629*	Irregularity measurement of pavement courses by check bar	ČSN 73 6175, cl. 8; ČSN EN 13036-8, excl. cl. 1.3.2 Annex A; EN 13036-8, excl. cl. 1.3.2 Annex A; EN 13036-7	Pavement courses	A, B, D
630*	Irregularity measurement of pavement courses by planograph	ČSN 73 6175, cl. 9	Pavement courses	A, B, D
631	Determination of water content	ČSN EN ISO 17892-1; EN ISO 17892-1	Soils	A, B, D
632*	Determination of soil density	ČSN 72 1010, method A, D	Soils	A, B, D
633	Determination of laboratory reference density and water content – Proctor test	ČSN EN 13286-2, excl. cl. 7.3 and 7.6; EN 13286-2, excl. cl. 7.3 and 7.6	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
634	Determination of particle size distribution of soils	ČSN EN ISO 17892-4, cl. 5.1-5.3; EN ISO / TS 17892-4, cl. 5.1-5.3	Soils	A, B, D
635	Determination of Atterberg limits	ČSN EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7); EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7)	Soils	A, B, D
636	Laboratory determination of relative density	ČSN 72 1018	Soils	A, B, D
637*	Impact loading test by light dynamic plate	ČSN 73 6192, method C	Soils and base courses	A, B, D
638*	Static loading test	ČSN 73 6190; ČSN 72 1006, Annex A, B, D	Soils and base courses	A, B, D
639	Determination of California bearing ratio, immediate bearing index and linear swelling	ČSN EN 13286-47; EN 13286-47	Soils and base courses	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
640*	Slump test	ČSN EN 12350-2; EN 12350-2	Fresh concrete	A, B, D
641*	Flow table test	ČSN EN 12350-5; EN 12350-5	Fresh concrete	A, B, D
642*	Determination of air content – Pressure methods	ČSN EN 12350-7, excl. cl. 5; EN 12350-7, excl. cl. 5	Fresh concrete	A, B, D
643	Determination of compressive strength of test specimens	ČSN EN 12390-3 EN 12390-3 ČSN EN 12504-1, excl. cl. 6; EN 12504-1, excl. cl. 6	Hardened concrete	A, B, D
644	Determination of flexural strength of test specimens	ČSN EN 12390-5; EN 12390-5	Hardened concrete	A, B, D
645	Determination of density	ČSN EN 12390-7; EN 12390-7	Hardened concrete	A, B, D
646	Determination of depth of penetration of water under pressure; determination of watertightness	ČSN EN 12390-8; EN 12390-8; ČSN 73 1321: 1987	Hardened concrete	A, B, D
647	Determination of cement concrete surface resistance to water and chemical de-icing agents	ČSN 73 1326, method A, method C	Hardened concrete	A, B, D
648	Determination of grain size	ČSN EN 12697-2+A1; EN 12697-2+A1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	A, B, D
649*	Determination of degree of compactability	ČSN EN 12350-4; EN 12350-4	Fresh concrete	A, B, D
650*	Determination of mass per unit volume	ČSN EN 12350-6; EN 12350-6; IZP No. 21 (ČSN EN 12350-6)	Fresh concrete	A, B, D
651*	Determination of hardness by rebound tester	ČSN 73 1370; ČSN 73 1373, excl. cl. 6.3 and Annex A and B; ČSN EN 12504-2; EN 12504-2	Hardened concrete	A, B, D
652	Determination of tensile splitting strength of concrete	ČSN EN 12390-6; EN 12390-6	Hardened concrete	A, B, D
653	Determination of static modulus of elasticity in compression	ČSN ISO 1920-10; ISO 1920-10; ČSN EN 12390-13; EN 12390-13	Hardened concrete	A, B, D
654	Frost resistance test	ČSN 73 1322	Hardened concrete	A, B, D
655*	Pile integrity test – PIT method	IZP No. 24; ASTM D5882, cl.6	Concrete and reinforced concrete structures	A, B, D
656*	Determination of compressive strength of young sprayed concrete	ČSN EN 14488-2	Sprayed concrete	A, B, D
657	Reserved			
658	Determination of grading of fillers	ČSN EN 933-10; EN 933-10	Aggregates	A, B, D

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
659	Analysis of concrete mixture	ČSN 73 1314, cl. 2.2, 2.3	Fresh concrete	A, B, D
660	Determination of loose bulk density and voids	ČSN EN 1097-3; EN 1097-3	Aggregates	A, B, D
661	Determination of compressive strength	ČSN EN 13286-41; EN 13286-41	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
662	Determination of the thickness of a concrete pavement from cores	ČSN EN 13863-3; EN 13863-3	Pavement courses	A, B, D
663	Determination of voids	ČSN 73 6124-2, Annex A	Concrete drainage layers	A, B, D
664	Determination of resistance to freezing and water	ČSN 73 6124-1, Annex A	Hydraulically bound mixtures	A, B, D
665	Determination of the indirect tensile strength	ČSN EN 13286-42; EN 13286-42	Unbound mixtures, hydraulically bound mixtures and soil	A, B, D
666*	Determination of pavement surface macrotexture depth using a volumetric patch technique	ČSN EN 13036-1; EN 13036-1	Pavement courses	A, B, D
667	Reserved			
668*	Determination of layer adhesion and tensile strength of surface layers	ČSN 73 6242, Annex B	Concrete structures and components, insulation layers	A, B, D
669	Reserved			
670*	Pile integrity test – CHA method	IZP No. 25; ASTM D6760, cl. 7	Concrete and reinforced concrete structures	A, B, D
671	Determination of the maximum density	ČSN EN 12697-5; EN 12697-5	Bituminous mixtures	A, B, D
672	Determination of the air void content of bituminous mixture	ČSN EN 12697-8; EN 12697-8	Bituminous mixtures	A, B, D
673	Reserved			
674*	Determination of sprayed volume	IZP No. 22	Pavement courses	A, B, D
675-678	Reserved			
679	Determination of density at 25°C	ČSN EN 13880-1	Hot applied joint sealants	A, B, D
680	Determination of cone penetration at 25 °C	ČSN EN 13880-2	Hot applied joint sealants	A, B, D
681	Determination of penetration and recovery (resilience)	ČSN EN 13880-3	Hot applied joint sealants	
682-687	Reserved			
688*	Load-carrying capacity of rock anchors and bolts	IZP No. 27	Concrete and geotechnical structures	A, B, D

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)

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

³ degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
601	Fresh concrete sampling	ČSN EN 12350-1; EN 12350-1	Fresh concrete
602	Aggregate sampling	ČSN EN 932-1, cl. 8.2, 8.8, 8.9; EN 932-1, cl. 8.2, 8.8, 8.9	Aggregates
603	Bituminous mixture sampling	ČSN EN 12697-27, cl. 4.1, 4.3, 4.7; EN 12697-27, cl. 4.1, 4.3, 4.7	Bituminous mixtures
604	Sampling - cored specimens	ČSN EN 12504-1, cl. 6; EN 12504-1, cl. 6	Hardened concrete
605	Bituminous binder sampling	ČSN EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5; EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5	Bitumen and bituminous binders
606	Fresh and hardened concrete sampling	ČSN EN 14488-1; EN 14488-1	Sprayed concrete

¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

Abbreviations:

EN – European standard without national annexes and appendices

IZP – Internal test procedure

CHA method - determines the quality of concrete between a pair of pre-installed pipes in bored piles, underground walls or other types of concrete foundations

PIT method - a non-destructive testing method used to verify pile parameters - especially pile shape (cross-section and length) and stem integrity (cracks and anomalies)

**The Appendix is an integral part of
Certificate of Accreditation No. 436/2023 of 14/08/2023**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

7. Workplace No. 7 Chemical Laboratory

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
701-785	Reserved			
786	Determination of polycyclic aromatic hydrocarbons (PAH*) by detection method (GC/MS) and the sum of PAH by calculation	IZP č. 26 (ČSN EN 17503)	Bituminous mixture, bituminous binder, bituminous recycled materials	A, B, D
787	Calculation of dry matter (water content) by gravimetry	ČSN EN 14346 excl. cl. 7	Bituminous mixture, bituminous binder, bituminous recycled materials	A, B, D

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 degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
786	List of PAH analytes: acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, phenanthrene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, pyrene

Abbreviations:

IZP – Internal test procedure