

**The Appendix is an integral part of
Certificate of Accreditation No. 575/2023 of 31/10/2023**

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

GeoTec-GS, a.s.

CAB number 1514, Laboratory of Soil and Rock Mechanics and Field Testing
Franzova 922/70, 614 00 Brno - Maloměřice

Testing laboratory locations:

- | | |
|--|---|
| 1. Laboratory for Field Testing | Chmelová 2920/6, 106 00 Praha 10 |
| 2. Laboratory for Soil and Rock Mechanics | Franzova 922/70, 614 00 Brno - Maloměřice |

The laboratory provides opinions and interprets test results.

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

1. Laboratory for Field Testing

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
1*	Determination of soil density in situ by diaphragm volumometer	ČSN 72 1010, method D-1	Soils	-
2*	Static loading test using a plate	ČSN 72 1006, Annex A, B and D	Soils, pavement courses	-
3*	Geodetic control method	ČSN 72 1006, Annex G	Pavement courses, soils	-
4*	Determination of the water content	ČSN EN ISO 17892-1	Soils	-
5*	Impact loading test by light dynamic plate	ČSN 73 6192, cl. 5.4	Soils, pavement courses	-

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 the laboratory does not apply a flexible approach to the scope of accreditation

2. Laboratory for Soil and Rock Mechanics

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
1	Determination of moisture content	ČSN EN ISO 17892-1	Soils	-
2	Determination of mass per unit volume	ČSN EN ISO 17892-2	Soils	-
3	Determination of mass per unit volume	ČSN EN 12390-7	Hardened concrete	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
4	Determination of mass per unit volume	PP-04 (Methodology III, ČGÚ, 1987)	Stone	-
5	Determination of apparent density of solid particles	ČSN EN ISO 17892-3	Soils, crushed aggregates	-
6	Determination of particle size distribution	ČSN EN ISO 17892-4	Soils	-
7	Determination of compactibility by oedometer	ČSN EN ISO 17892-5	Soils	-
8	Direct shear test	ČSN EN ISO 17892-10	Soils	-
9	Determination of liquid and plastic limits, plasticity index and degree of consistency	ČSN EN ISO 17892-12	Soils	-
10	Determination of soil compactibility – Proctor test	ČSN EN 13286-2, excl. cl. 7.3 and 7.6	Soils, aggregates	-
11	Determination of California bearing ratio (CBR), immediate bearing index (IBI) and linear swelling	ČSN EN 13286-47	Soils, aggregates	-
12*	Determination of particle size distribution	ČSN EN 933-1	Aggregates	-
13*	Determination of the water content of aggregates	ČSN EN 1097-5	Aggregates	-
14*	Determination of uniaxial compressive strength	ČSN EN 1926	Stone	-
15*	Determination of uniaxial compressive strength	ČSN EN 12504-1	Hardened concrete	-
16	Determination of porosity and degree of saturation by calculation from measured values	PP-07 (Soil and Foundations Mechanics, CERM, 2003)	Soils	-
17	Determination of swelling pressure	ČSN CEN ISO/TS 17892-5:2005	Soils	-
18	Determination of swelling characteristics	Methodology I, chap. 20, ČGÚ, 1987	Soils	-
19	Determination of sagging	Methodology I, chap. 19.13, ČGÚ, 1987	Soils	-
20	Determination of combustibles	ČSN EN 13039	Soils	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
21*	Determination of the point load strength of rocks and chips	ASTM D5731-16	Stone	-
22*	Determination of tensile splitting strength of rock specimens	ČSN EN 12390-6	Stone, concrete	-
23*	Determination of relative density	ČSN 72 1018	Soils, aggregates	-
24*	Determination of maximum bulk density	ČSN EN 13286-5	Soils, aggregates	-

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³ the laboratory does not apply a flexible approach to the scope of accreditation

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
16	Mechanika zemin a zakládání staveb (pro kombinované studium), Weiglová, K., Glisníková, V., Masopust, J., CERM, 2003 (Soil and Foundations Mechanics (for combined studies))
4, 18, 19	Metodiky laboratorních zkoušek v mechanice zemin a hornin I-III, Mechanika zemin – metodiky, Zavoral et al., ČGÚ, 1987 (Methods of laboratory tests in soil and rock mechanics I-III, Soil mechanics - methodologies, Zavoral et al., ČGÚ, 1987)

Explanatory notes:

PP – Operating Procedure

ČGÚ – Czech Geological Survey

ASTM – American Society for Testing and Materials