

**The Appendix is an integral part of
Certificate of Accreditation No. 278/2024 of 11/06/2024**

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

GeoTec-GS, a.s.

CAB number 1772, Laboratory for Soil Mechanics, Field Testing and Monitoring
Pekárenská 257/81, 370 04 České Budějovice

The laboratory provides opinions and interpretations of the test results.

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

Tests:

| Ordinal number ¹ | Test procedure / method name | Test procedure / method identification ² | Tested subject | 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 apparent density of solid particles | ČSN EN ISO 17892-3 | Soils, crushed aggregates | - |
| 4 | Determination of grain size | ČSN EN ISO 17892-4 | Soils | - |
| 5 | Determination of compactibility by oedometer | ČSN EN ISO 17892-5 | Soils | - |
| 6 | Determination of liquid limit, plastic limit, plasticity index and degree of consistency | ČSN EN ISO 17892-12 | Soils | - |
| 7 | Determination of combustible content | ČSN EN 13039 | Soils | - |
| 8 | Determination of soil compactibility – Proctor test | ČSN EN 13286-2, excl. cl. 7.3 and 7.6 | Soils, aggregates | - |
| 9 | Determination of California bearing ratio (CBR), immediate bearing index (IBI) and linear swelling | ČSN EN 13286-47 | Soils, aggregates | - |
| 10 | Determination of particle size distribution | ČSN EN 933-1 | Aggregates | - |
| 11 | Determination of the water content of aggregates | ČSN EN 1097-5 | Aggregates | - |
| 12* | Determination of soil density in situ | ČSN 72 1010, method D-1, A | Soils | - |
| 13* | Static loading test using a plate | ČSN 72 1006, Annex A, B and D | Soils, pavement courses | - |

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| Ordinal number ¹ | Test procedure / method name | Test procedure / method identification ² | Tested subject | Degrees of freedom ³ |
|-----------------------------|--|---|-------------------------------------|---------------------------------|
| 14* | Impact loading test by light dynamic plate | ČSN 73 6192, Group C device | Soils, pavement courses | - |
| 15* | Dynamic penetration test | ČSN EN ISO 22476-2 | Soils | - |
| 16* | Force measurement with electric force gauges - dynamometers | PP16 (ČSN EN ISO 18674-1) | Construction works and ground works | - |
| 17* | Strain - stress measurement in concrete structures - by tensometers | PP17 (ČSN EN ISO 18674-1) | Concrete structures | - |
| 18* | Deformometric measurements - measuring the settlement of the subgrade by hydrostatic levelling | PP18 (ČSN EN ISO 18674-1) | Ground works | - |
| 19* | Inclinometric measurements | PP19a; PP19b (ČSN EN ISO 18674-3; ČSN EN ISO 18674-1) | Soils | - |
| 20* | Measurement of inclination | PP20 (ČSN EN ISO 18674-1) | Building structures | - |
| 21* | Measurement of pore water pressure by means of piezometers | PP21 (ČSN EN ISO 18674-4; ČSN EN ISO 18674-1) | Water | - |
| 22* | Measurement of stress changes by means of total pressure cells | PP22 (ČSN EN ISO 18674-5; ČSN EN ISO 18674-1) | Soils, building structures | - |
| 23* | Measurement of displacements along a line - by dilatometers | PP23 (ČSN EN ISO 18674-1) | Building structures, rocks | - |
| 24* | Measurement of displacements along a line - by extensometers | PP24 (ČSN EN ISO 18674-2; ČSN EN ISO 18674-1) | Building structures, soils, rocks | - |
| 25 | Determination of relative density | ČSN 721018 | Soils, aggregates | - |
| 26 | Shear box test | ČSN EN ISO 17892-10 | Soils | - |
| 27 | Determination of swelling pressure | ČSN CEN ISO/TS 17892-5:2005 | Soils | - |

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|-----------------------------|--|---|----------------|---------------------------------|
| 28 | Determination of swelling capacity | Methodology I, chap. 20, ČGÚ, 1987 | Soils | - |
| 29 | Determination of sagging | Methodology I, chap. 19.13, ČGÚ, 1987 | Soils | - |
| 30 | Determination of porosity and degree of saturation by calculation from measured values | PP-07 (Soil Mechanics and Foundation of Buildings, CERM, 2003) | Soils | - |

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 valid edition of the specified procedure is used (including any changes)

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) |
|---------------------|--|
| 28, 29 | Methods of laboratory tests in soil and rock mechanics. I-III Soil Mechanics - Methodologies, Zavoral et al., ČGÚ, 1987 |
| 30 | Soil Mechanics and Foundations of Buildings (for combined studies), Weiglová, K., Glisníková, V., Masopust, J., CERM, 2003 |

Explanatory notes:

PP – Internal Working Procedure

ČGÚ – Czech Geological Institute

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "