

ISO 17892-8:2018-02 (E)

Geotechnical investigation and testing - Laboratory testing of soil - Part 8: Unconsolidated undrained triaxial test

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols	2
5	Apparatus	3
6	Test procedure	6
6.1	General requirements and equipment preparation	6
6.2	Preparation of specimens	6
6.3	Application of cell pressure and initial readings	7
6.4	Shearing	8
6.5	Dismounting	8
7	Test results	9
7.1	Bulk density, dry density and water content	9
7.2	Stage prior to shearing	9
7.3	Shearing	9
7.3.1	Corrected cross-sectional area	9
7.3.2	Deviator stress	9
7.3.3	Vertical strain	10
7.3.4	Undrained shear strength	10
7.4	Correction for elastic membrane	10
8	Test report	10
8.1	Mandatory reporting	10
8.2	Optional reporting	11
Annex A (normative) Calibration, maintenance and checks		12
Bibliography		14