

DIN EN 17542-3:2022-08 (E)

Earthworks - Geotechnical laboratory tests - Part 3: Methylene blue value V_{BS} on soils and rocks

Contents	Page
European foreword	3
Introduction	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	5
4 Principle of the test	6
5 Apparatus	6
6 Reagents.....	7
6.1 Dye solution	7
6.2 Preparation of 10 g/l methylene blue solution.....	7
7 Preparation of the test portions	8
7.1 If D_{max} is greater than 50 mm.....	8
7.2 If D_{max} is ranging between 5 mm and 50 mm.	8
7.3 Washing procedure for materials > 5 mm	8
7.3.1 Materials concerned	8
7.3.2 Step 1 - Brushing.....	8
7.3.3 Step 2 - Washing.....	8
7.4 If D_{max} is smaller or equal at 5 mm.....	9
8 Procedure	9
8.1 Description of the stain test.....	9
8.2 Preparation of suspension	9
8.3 Determination of the quantity of dye adsorbed	10
9 Calculation and expression of results	10
10 Test report.....	11
Annex A (informative) Example of a test data sheet	12
Table A.1 — Identification of the specimen tested	12
Table A.2 - Test results	12
Annex B (informative) Alternative size fraction.....	13
Bibliography	14