

DIN EN ISO 21268-2:2020-09 (E)

Soil quality - Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil- like material - Part 2: Batch test using a liquid to solid ratio of 10 l/kg dry matter (ISO 21268-2:2019)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		7
4 Principle		8
5 Reagents		8
6 Apparatus		9
7 Sample pretreatment		10
7.1 Preparation of laboratory sample and specification of particle size.....		10
7.2 Preparation of test sample.....		11
7.3 Determination of dry matter content and water content.....		11
7.4 Preparation of the test portion.....		12
8 Procedure		12
8.1 Temperature.....		12
8.2 Description of the procedure.....		12
8.2.1 Preparation of the eluent.....		12
8.2.2 Leaching step.....		12
8.2.3 Liquid/Solid separation step.....		13
8.3 Further preparation of the eluate for analysis.....		14
8.4 Blank test for the application of the leaching procedure.....		14
9 Calculation		15
10 Test report		15
11 Analytical determination		16
11.1 General.....		16
11.2 Blank test information.....		16
12 Performance characteristics		16
12.1 General.....		16
12.2 Validation results obtained for DIN 19529.....		16
12.2.1 General.....		16
12.2.2 Results for test material containing inorganic substances.....		17
12.2.3 Results for test materials containing organic substances.....		17
Annex A (informative) Information on the influence on the test results of the parameters that affect leaching		25
Annex B (informative) Example of a specific liquid-solid separation procedure for soil samples (applying only to the leaching of inorganic substances)		28
Annex C (informative) Calculation of centrifugation duration depending on centrifugation speed and rotor dimensions		30
Bibliography		32