

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