

DIN EN 15002:2015-07 (E)

Characterization of waste - Preparation of test portions from the laboratory sample

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Terms and definitions	6
3	Equipment	8
4	Interferences and sources of error	8
5	Procedure	9
5.1	Key concepts	9
5.2	Sequence of treatment techniques	10
6	Report	12
Annex A (normative) Guideline for choosing sample treatment techniques		13
A.1	General	13
A.2	Homogenization	13
A.2.1	General information	13
A.2.2	Solid samples	13
A.2.3	Liquid samples	14
A.2.4	Homogenization in case of volatile compounds	15
A.3	Phase/fraction separation	15
A.3.1	General information	15
A.3.2	Solid - liquid separation	15
A.3.3	Liquid - liquid separation	17
A.3.4	Solid - solid separation; separation into different fractions	18
A.4	Drying	19
A.4.1	General information	19
A.4.2	Procedures	19
A.5	Particle size reduction	21
A.5.1	General information	21
A.5.2	Procedures	22
A.6	Sub-sampling	24
A.6.1	General information	24
A.6.2	Manual division of solid samples by coning and quartering	24
A.6.3	Dry cutting	25
A.6.4	Mechanical division of solid samples	25
A.6.5	Sub-sampling for volatile compounds	26
A.6.6	Sub-sampling for moderately volatile organic compounds	26
A.6.7	Sub-sampling of sludge and liquid	27
A.6.8	Sub-sampling of monolithic sample	27
Annex B (informative) Relationship between minimum amount of (sub-)sample and particle size		28
B.1	Formula for the estimation of the minimum amount of (sub-)sample:	28
B.2	Empirical rule	29

Annex C (informative) Sample treatment equipment	30
Annex D (informative) Examples for analytical methods	31
Annex E (informative) Examples for preparation of test samples	37
E.1 Example 1	37
E.2 Example 2	41
Bibliography	49