

# DIN EN 12579:2024-08 (E)

## Soil improvers and growing media - Sampling

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Introduction .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	6
4	Requirements .....	8
4.1	General .....	8
4.2	General requirements for sample taken for microbiological testing .....	8
4.3	General requirements for liquid materials .....	8
4.4	Moisture content .....	9
5	Apparatus .....	9
6	Procedure for solid materials .....	10
6.1	General .....	10
6.2	Sampling constraints .....	10
6.2.1	Limitations on the sampled portion .....	10
6.2.2	Number of final samples .....	10
6.3	Sampling .....	11
6.3.1	Number of sampling points .....	11
6.3.2	Distribution of sampling points .....	11
6.3.3	Volume of samples .....	11
6.3.4	Incremental samples .....	11
6.3.5	Microbiological testing .....	13
6.4	Final sample .....	13
7	Procedure for liquid materials .....	13
7.1	General .....	13
7.2	Sampling at source .....	13
7.3	Homogeneous liquids .....	14
7.4	Heterogeneous liquids .....	14
7.5	Sampled portion consisting of two or more containers .....	15
7.6	Solutions or suspensions in storage vessels of capacity less than 1 000 l .....	15
8	Packing and labelling of the final samples .....	15
8.1	General .....	15
8.2	Labelling .....	15
9	Sampling report .....	15
10	Dispatch of samples .....	16
Annex A (normative) Final sample size required .....		17
Annex B (informative) Examples of apparatus for sampling liquid materials .....		18
Annex C (informative) Methods of mixing for liquid materials .....		26

C.1	General .....	26
C.2	Small containers .....	26
C.3	Drums and casks (up to about 1,8 m deep) .....	26
C.4	Shallow tanks .....	29
C.5	Deep tanks .....	30
C.6	Precautions for sampling multi-phase liquids, including slurries .....	30
C.7	Precautions for sampling liquids with significant vapour pressure .....	31
C.8	Precautions against static electricity .....	31
Annex D (informative) Schematic overview from the sampling procedure .....		33
Annex E (normative) Procedure for sampling bulk material .....		34
E.1	Procedure for sampling bulk material: Step 1 .....	34
E.2	Procedure for sampling bulk material: Step 2 .....	34
E.3	Procedure for sampling bulk material: Step 3 .....	35
E.4	Procedure for sampling bulk material: Step 4 .....	35
E.5	Procedure for sampling bulk material: Step 5 .....	35
E.6	Procedure for sampling bulk material: Step 6 .....	35
Annex F (normative) Procedure for sampling packaged material .....		36
F.1	Procedure for sampling packaged material: Step 1 .....	36
F.2	Procedure for sampling packaged material: Step 2 .....	36
F.3	Procedure for sampling packaged material: Step 3 .....	36
F.4	Procedure for sampling packaged material: Step 4 .....	37
F.5	Procedure for sampling packaged material: Step 5 .....	37
F.6	Procedure for sampling packaged material: Step 6 .....	37
Bibliography .....		38