

# DIN EN ISO 5667-6:2016-12 (E)

## Water quality - Sampling - Part 6: Guidance on sampling of rivers and streams (ISO 5667-6:2014)

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Annex ZA (informative) A-deviation .....		5
Foreword .....		6
Introduction .....		8
1	Scope .....	9
2	Normative references .....	9
3	Terms and definitions .....	9
4	Design of sampling programme .....	11
5	Sampling location .....	12
5.1	Sampling point selection .....	12
5.2	Frequency and time of sampling .....	16
6	Preparation for sampling .....	16
7	Sampling at specific locations .....	17
7.1	General .....	17
7.2	Sampling from bridges .....	18
7.3	In-stream sampling .....	19
7.4	Sampling from the bank side .....	19
7.5	Sampling from craft .....	20
7.6	Sampling under ice .....	20
8	Sampling methods .....	20
8.1	Single, discrete samples .....	20
8.2	Sampling from specific depths .....	20
9	Sampling equipment .....	21
9.1	Single, discrete samples .....	21
9.2	Sampling of surface layers for LNAPL (e.g. oils) or surface films .....	22
9.3	Devices for sampling from specific depths .....	22
9.4	Automatic sampling devices .....	22
9.5	Other sampling equipment .....	23
10	Taking the sample .....	23
10.1	Risk factors .....	23
10.2	Arrival on site .....	32
10.3	Rinsing the equipment .....	24
10.4	Direct sampling .....	24
10.5	Indirect sampling using a sampling vessel .....	24
10.6	Sampling through ice .....	25
10.7	Sampling of surface layers or films .....	25
10.8	Sampling by increments .....	25
10.9	Adding preservatives in the field .....	25

<b>10.10</b>	<b>Labelling .....</b>	<b>25</b>
<b>11</b>	<b>Stabilization, transport, and storage of samples .....</b>	<b>25</b>
<b>11.1</b>	<b>Stabilization .....</b>	<b>25</b>
<b>11.2</b>	<b>Transportation .....</b>	<b>26</b>
<b>11.3</b>	<b>Security and traceability of samples during storage and delivery .....</b>	<b>26</b>
<b>12</b>	<b>Quality assurance .....</b>	<b>26</b>
<b>12.1</b>	<b>Avoidance of contamination .....</b>	<b>26</b>
<b>12.2</b>	<b>Sample identification and records .....</b>	<b>27</b>
<b>12.3</b>	<b>Assurance and quality control .....</b>	<b>27</b>
<b>13</b>	<b>Reports .....</b>	<b>27</b>
<b>13.1</b>	<b>Analytical reports .....</b>	<b>27</b>
<b>13.2</b>	<b>Sampling protocols .....</b>	<b>28</b>
<b>14</b>	<b>Certification, registration, or accreditation .....</b>	<b>28</b>
<b>15</b>	<b>Safety precautions .....</b>	<b>28</b>
	<b>Annex A (informative) Calculation of complete mixing distance .....</b>	<b>30</b>
	<b>Annex B (informative) Example of a report - Sampling from rivers and streams .....</b>	<b>31</b>
	<b>Bibliography .....</b>	<b>34</b>