

ISO 5667-17:2008-10 (E)

Water quality - Sampling - Part 17: Guidance on sampling of bulk suspended solids

Contents		Page
Foreword		iv
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Strategies and goals of sampling suspended solids	2
4.1	Sampling programme and sampling plan	2
4.2	The dependency of the content of suspended solids on discharge	2
4.3	Sampling frequency, duration, and timing	3
4.4	Sampling points	3
5	Sampling equipment	4
5.1	General	4
5.2	Passive samplers	4
5.3	Bag sampler	4
5.4	Bulk samplers	4
6	Methods for sampling suspended solids	5
6.1	General	5
6.2	Centrifuging methods	5
6.3	Settling methods	8
6.4	Filtration methods	11
6.5	Tangential-flow filtration	12
6.6	Pumping requirements	13
7	On site measurements	14
8	Post collection sample handling and analysis	15
8.1	General	15
8.2	Identification of samples	15
8.3	Sampling record	15
8.4	Preservation	15
8.5	Transport of samples	16
9	Quality assurance of field samples	16
9.1	General	16
9.2	Quality assurance specific to centrifuges	16
9.3	Suspended solids characterisation	17
10	Interpretation of data	17
10.1	General	17
10.2	Variability in time	17
10.3	Variability in space	18
10.4	Implications for data interpretation	18
10.5	Field methods for reducing uncertainty	18
11	Safety precautions	19

Annex A (informative) Information on suspended solids and their sampling	20
Annex B (informative) Description of sampling devices	22
Bibliography	27