

ISO/TS 21738:2026-06 (E)

Water quality - Active biomonitoring method with in situ caged benthic amphipods

Contents

Page

Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principle of the method.....	2
5 Organisms and equipment.....	2
5.1 Organism origin.....	2
5.2 Test organism.....	3
5.2.1 Sex.....	3
5.2.2 Weight.....	4
5.3 Equipment.....	5
5.3.1 Sieve.....	5
5.3.2 Cage.....	5
5.3.3 Vials used for storage prior to chemical analysis.....	7
5.3.4 Spin dryer.....	7
5.3.5 Balance.....	7
5.3.6 Physico-chemical probes.....	7
6 Test organism preparation in laboratory.....	7
6.1 Acclimatization period of amphipods.....	7
6.2 Test organism selection criteria.....	8
6.3 Laboratory measurements and conditioning of organisms for analysis.....	9
6.4 Caging of test organisms for dispatch.....	9
7 Exposure of test organisms in the monitoring station.....	9
7.1 Monitoring station environmental condition check.....	9
7.2 Dispatch to monitoring station.....	10
7.3 Test organism transplantation.....	10
7.4 Retrieval of test organisms.....	11
8 Test organism conditioning in the laboratory.....	11
8.1 Reception of test organisms at the laboratory.....	11
8.2 Placing of test organisms in vials.....	11
9 Test report.....	12
Annex A (informative) Application domain.....	13
Annex B (informative) Acclimatization conditions.....	15
Bibliography.....	17