

ISO 14669:2026-06 (E)

Water quality - Determination of acute lethal toxicity to marine copepods (Copepoda, Crustacea)

Contents

Page

Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principle.....	2
5 Test environment.....	2
6 Reagents and materials.....	2
7 Apparatus.....	4
8 Sampling, treatment and preparation of samples.....	4
8.1 Sampling and storage of samples.....	4
8.2 Preparation of solutions of substances to be tested.....	4
8.2.1 Preparation of stock solutions.....	4
8.2.2 Preparation of aqueous extracts from sediments.....	4
8.2.3 Preparation of test solutions.....	5
9 Procedure.....	5
9.1 Preliminary test.....	5
9.2 Definitive test.....	5
9.3 General procedure.....	5
9.4 Limit test.....	6
9.5 Check of sensitivity of copepods and conformity with the procedure.....	6
10 Calculation of the LC50.....	7
11 Validity of results.....	7
12 Expression of results.....	7
13 Performance data.....	7
14 Test report.....	7
Annex A (informative) Example of determination of acute lethal toxicity of a chemical substance to a marine copepod.....	9
Annex B (informative) Culture methods for marine copepods <i>Acartia tonsa</i>, <i>Tisbe battagliai</i> and <i>Nitocra spinipes</i>.....	11
Annex C (informative) Precision data.....	16
Annex D (informative) Defined culture and test media.....	17
Bibliography.....	19