ISO 19820:2016-03 (E)

Water quality - Determination of the acute toxicity to the marine rotifer Brachionus plicatilis

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Principle 2

5 Test environment 2

6 Reagents, test organisms and media 2
6.1 Test organisms 2
6.2 Culturing and dilution medium 2
6.3 Reference substance 3

7 Apparatus 3

8 Treatment and preparation of samples 3
8.1 Special precautions 3
8.2 Preparation of the stock solutions of substances to be tested 4

9 Procedure 4
9.1 Selection of test concentrations 4
9.2 Preparation of the test and control solutions 4
9.3 Introduction of the organisms 5
9.4 Incubation of the test system 6
9.5 Measurements 6

10 Estimation of the LC50 7

11 Reference test 7

12 Validity criteria 7

13 Test report 8

Annex A (informative) Procedure for hatching of Brachionus plicatilis cysts 9

Annex B (informative)Preparationofartificialseawater 10

Annex C (informative) Performance data 11

Bibliography 13