DIN EN ISO 20079:2006-12 (E)

Water quality - Determination of the toxic effect of water constituents and waste water on duckweed (Lemna minor) - Duckweed growth inhibition test (ISO 20079:2005)

Contents

Page

Foreword 2

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Principle 7

5 Interferences 8

6 Apparatus 8

7 Reagents 8

8 Test organisms 11

9 Stock cultures and pre-cultures 11

10 Procedure 12

11 Validity criteria 14

12 Expression of results 14

13 Estimation of EC(r)x values for frond number and the second observation parameter 16

14 Documentation of results 16

15 Precision 16

16 Test report 17

Annex A (informative) Preparation of the nutrient media 18

Annex B (informative) Measurement of the lowest ineffective dilution (LID) of a waste water -- A simplified evaluation for testing of waste water 23

Annex C (informative) Suppliers of Lemna species 26

Bibliography 27