DIN EN ISO 11348-1:2023-12 (E)

Water quality - Determination of the inhibitory effect of water samples on the light emission of Vibrio fischeri (Luminescent bacteria test) - Part 1: Method using freshly prepared bacteria (ISO 11348 -1:2007 + Amd 1:2018) (includes Amendment A1:2018)

Contents

Page

Foreword ... 3

〚A1〛 European foreword to Amendment 〚A1〛 ... 4

〚A1〛 Foreword to Amendment 〚A1〛 ... 5

Introduction ... 6

1 Scope ... 7

2 Normative references ... 7

3 Principle ... 7

4 Interferences ... 8

5 Reagents and materials ... 8

6 Apparatus ... 10

7 Sampling and sample pretreatment ... 11

8 Cultivation of luminescent bacteria ... 11

9 Procedure ... 13

10 Evaluation ... 14

11 Expression of results ... 16

12 Criteria of validity ... 17

13 Precision ... 18

14 Test report ... 18

Annex A (informative) **Colour-correction method** ... 19

Annex B (informative) **Dilution level D — Preparation of the dilution series** ... 22

Annex C (informative) **Precision data** ... 25

Annex D (informative) **Testing salt water samples with the luminescent bacteria test with freshly cultured bacteria** ... 26

Bibliography ... 29