

ISO 11348-1:2007-12 (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

| Contents | | Page |
|--|---|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Principle | 2 |
| 4 | Interferences | 2 |
| 5 | Reagents and materials | 2 |
| 6 | Apparatus | 4 |
| 7 | Sampling and sample pretreatment | 5 |
| 8 | Cultivation of luminescent bacteria | 5 |
| 9 | Procedure | 7 |
| 10 | Evaluation | 8 |
| 11 | Expression of results | 10 |
| 12 | Criteria of validity | 11 |
| 13 | Precision | 12 |
| 14 | Test report | 12 |
| Annex A (informative) Colour-correction method | | 13 |
| Annex B (informative) Dilution level D - Preparation of the dilution series | | 16 |
| Annex C (informative) Precision data | | 19 |
| Annex D (informative) Testing salt water samples with the luminescent bacteria test with freshly cultured bacteria | | 20 |
| Bibliography | | 23 |