

ISO 10706:2000-04 (E)

Water quality - Determination of long term toxicity of substances to *Daphnia magna* Straus (Cladocera, Crustacea)

| Contents | | Page |
|---|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Principle | 1 |
| 4 | Test environment | 1 |
| 5 | Reagents and materials | 2 |
| 6 | Apparatus | 3 |
| 7 | Treatment and preparation of samples | 3 |
| 7.1 | Special precautions for sampling and transportation of water or effluent samples | 3 |
| 7.2 | Preparation of solutions of substances to be tested | 3 |
| 8 | Procedure | 4 |
| 8.1 | Controls | 4 |
| 8.2 | Selection of exposure concentrations | 4 |
| 8.3 | Renewal of exposure solutions | 5 |
| 8.4 | Introduction of animals into the test system | 5 |
| 8.5 | Feeding of organisms | 5 |
| 8.6 | Observations and measurements | 5 |
| 8.7 | Validity of the test | 6 |
| 9 | Data analysis and expression of results | 6 |
| 10 | Test report | 7 |
| Annex A (informative) OECD M4 and M7 media -- Preparation and acclimation of Elendt M4 and M7 media | | 9 |
| Annex B (informative) ASTM reconstituted hard fresh water | | 12 |
| Annex C (informative) Data collection sheet | | 13 |
| Annex D (informative) Calculation of time-weighted mean concentration | | 15 |
| Bibliography | | 17 |