

DIN EN 12873-4:2006-06 (E)

Influence of materials on water intended for human consumption - Influence due to migration - Part 4: Test method for water treatment membranes

| Contents | | Page |
|---|--|-------------|
| Foreword | | 3 |
| Introduction | | 4 |
| 1 | Scope | 5 |
| 2 | Normative references | 5 |
| 3 | Terms and definitions | 5 |
| 4 | Symbols and abbreviations | 6 |
| 5 | Test method | 6 |
| 5.1 | Principle | 6 |
| 5.2 | Reagents and apparatus | 7 |
| 5.2.1 | General | 7 |
| 5.2.2 | Test water | 7 |
| 5.2.3 | Flushing water | 7 |
| 5.2.4 | Cleaning agent | 7 |
| 5.2.5 | Procedural blank | 8 |
| 5.2.6 | Test rig | 8 |
| 5.3 | Test samples | 8 |
| 5.3.1 | General requirements | 8 |
| 5.3.2 | Sample storage | 9 |
| 5.4 | Procedure | 9 |
| 5.4.1 | Test temperature | 9 |
| 5.4.2 | Start up procedure | 9 |
| 5.4.3 | Leaching test | 9 |
| 5.4.4 | Cleaning and disinfection | 11 |
| 6 | Analysis | 13 |
| 7 | Expression of results | 13 |
| 7.1 | Concentrations in the extracts | 13 |
| 7.2 | Daily migration rates | 13 |
| 7.2.1 | Calculation based on concentrations in extracts from one-pass sampling, T1 to T3 | 13 |
| 7.2.2 | Calculation based on concentrations in leachates after re-circulation, R1 and R2 | 14 |
| 8 | Test report | 14 |
| Annex A (informative) Diagram of the test procedure | | 15 |
| Annex B (informative) Schematic diagram of an example test rig | | 16 |
| Bibliography | | 17 |