

# DIN 55508-5:2021-04 (E)

## Packaging test - Leakage test on flexible packagings - Part 5: Water bath method (bubble test)

---

### Contents

Page

Foreword .....	3
1 Scope .....	4
2 Normative references .....	4
3 Terms and definitions.....	4
4 Test method .....	5
4.1 General .....	5
4.2 Water bath method using negative pressure .....	5
4.2.1 Characterization of method .....	5
4.2.2 Special advantages of the method.....	6
4.2.3 Restrictions .....	6
4.2.4 Devices and equipment — Leakage testing device.....	6
4.2.5 Test objects and sampling .....	7
4.2.6 Procedure .....	7
4.2.7 Evaluation.....	7
4.2.8 Test report.....	7
4.3 Water bath method using positive pressure .....	8
4.3.1 Characterization of method .....	8
4.3.2 Special advantages of the method.....	8
4.3.3 Restrictions .....	8
4.3.4 Sealing the gas supply on the flexible packaging.....	8
4.3.5 Connection point .....	9
4.3.6 Test pressure .....	9
4.3.7 Devices and equipment — Leakage testing device.....	9
4.3.8 Test objects and sampling .....	9
4.3.9 Procedure .....	10
4.3.10 Evaluation.....	10
4.3.11 Test report.....	10
Bibliography .....	11

### Figures

Figure 1 — Schematic representation of the water bath method using negative pressure.....	6
Figure 2 — Schematic representation of the water bath method using positive pressure.....	8