

# DIN EN ISO 20686:2025-09 (E)

## Footwear - Critical substances potentially present in footwear and footwear components - Determination of certain organic solvents (ISO 20686:2025)

---

<b>Contents</b>	<b>Page</b>
Foreword.....	iv
Introduction.....	v
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Principle</b> .....	<b>1</b>
<b>5 Reagents</b> .....	<b>2</b>
5.1 Chemicals.....	2
5.2 Standard solutions.....	2
5.2.1 Target organic solvents — Stock solution.....	2
5.2.2 Internal standard — Stock solution.....	2
5.2.3 Calibration solutions.....	2
5.2.4 Extraction solution with internal standard.....	3
<b>6 Apparatus</b> .....	<b>3</b>
<b>7 Preparation of test specimen</b> .....	<b>3</b>
<b>8 Test procedure</b> .....	<b>4</b>
8.1 Extraction.....	4
8.2 Determination with GC-MS.....	4
<b>9 Expression of results</b> .....	<b>4</b>
9.1 Calibration curve.....	4
9.2 Determination of the organic solvent content.....	5
9.3 Performance of the method.....	5
<b>10 Test report</b> .....	<b>5</b>
<b>Annex A (informative) Information on some identifiable organic solvents</b> .....	<b>6</b>
<b>Annex B (informative) Parameters for GC-MS determination of organic solvents</b> .....	<b>7</b>
<b>Annex C (normative) Characteristics for MS analysis</b> .....	<b>8</b>
<b>Annex D (informative) Total ion chromatogram of organic solvent standards by GC-MS analysis</b> .....	<b>9</b>
<b>Bibliography</b> .....	<b>11</b>