

# DIN EN ISO 14184-3:2024-03 (E)

## Textiles - Determination of formaldehyde - Part 3: Free and hydrolysed formaldehyde (extraction method) by liquid chromatography (ISO 14184-3:2023)

---

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>Foreword</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>5</b>
<b>4 Conformity</b> .....	<b>5</b>
<b>5 Principle</b> .....	<b>5</b>
<b>6 Reagents</b> .....	<b>6</b>
<b>7 Apparatus</b> .....	<b>7</b>
<b>8 Preparation of test specimen</b> .....	<b>7</b>
<b>9 Procedure</b> .....	<b>7</b>
9.1 Formaldehyde stock solution .....	7
9.1.1 Preparation of formaldehyde stock solution .....	7
9.1.2 Determination of the formaldehyde concentration in the stock solution .....	8
9.2 Determination of formaldehyde .....	8
9.2.1 Calibration of LC .....	8
9.2.2 Extraction of the test specimen .....	9
9.2.3 Derivatization with DNPH and analysis .....	9
<b>10 Expression of results</b> .....	<b>10</b>
10.1 Calculation of the formaldehyde content in textile test specimen .....	10
10.2 Spiking — Determination of recovery rate .....	10
10.3 Precision of the test method .....	10
<b>11 Test report</b> .....	<b>11</b>
<b>Annex A (informative) Information on precision of the test method</b> .....	<b>12</b>
<b>Annex B (informative) Examples of chromatographic and spectroscopic conditions</b> .....	<b>14</b>
<b>Bibliography</b> .....	<b>17</b>