

# ISO 12460-3:2023-09 (E)

## Wood-based panels - Determination of formaldehyde release - Part 3: Gas analysis method

---

<b>Contents</b>		<b>Page</b>
	Foreword.....	iv
<b>1</b>	<b>Scope</b> .....	<b>1</b>
<b>2</b>	<b>Normative references</b> .....	<b>1</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>1</b>
<b>4</b>	<b>Principle</b> .....	<b>1</b>
<b>5</b>	<b>Reagents</b> .....	<b>1</b>
<b>6</b>	<b>Apparatus</b> .....	<b>2</b>
<b>7</b>	<b>Sampling and preparation of test pieces</b> .....	<b>4</b>
	7.1 Preparation of test pieces.....	4
	7.2 Selection of test pieces for factory production control.....	5
	7.3 Selection of test pieces for other purposes.....	5
	7.4 Preparation of test pieces in case of dispute.....	5
<b>8</b>	<b>Procedure</b> .....	<b>5</b>
	8.1 Number of determinations.....	5
	8.2 Determination of moisture content.....	5
	8.3 Determination of formaldehyde release.....	5
	8.3.1 General.....	5
	8.3.2 Determination of formaldehyde release — Option 1.....	7
	8.3.3 Determination of formaldehyde release — Option 2.....	7
	8.3.4 Determination of formaldehyde release — Option 3.....	7
	8.3.5 Determination of formaldehyde release — Option 4.....	7
	8.4 Determination of formaldehyde content of the absorber solutions.....	8
	8.4.1 General.....	8
	8.4.2 Principle.....	8
	8.4.3 Analytical procedure.....	8
	8.4.4 Calibration curve.....	8
<b>9</b>	<b>Expression of results</b> .....	<b>10</b>
	9.1 Gas analysis value.....	10
	9.2 Calculation of results.....	10
	9.2.1 Calculation of results of test pieces.....	10
	9.2.2 Calculation of emission report value.....	11
	9.3 Moisture content.....	11
<b>10</b>	<b>Test report</b> .....	<b>11</b>
	<b>Bibliography</b> .....	<b>13</b>