

# DIN ISO 23404:2022-02 (E)

## Information and documentation - Papers and boards used for conservation - Measurement of impact of volatiles on cellulose in paper (ISO 23404:2020)

---

<b>Contents</b>	<b>Page</b>
<b>National foreword</b> .....	<b>3</b>
<b>National Annex NA (informative) Bibliography</b> .....	<b>4</b>
<b>Foreword</b> .....	<b>5</b>
<b>Introduction</b> .....	<b>6</b>
<b>1 Scope</b> .....	<b>7</b>
<b>2 Normative references</b> .....	<b>7</b>
<b>3 Terms and definitions</b> .....	<b>7</b>
<b>4 Principle</b> .....	<b>8</b>
<b>5 Apparatus</b> .....	<b>9</b>
<b>6 Preparation of apparatus</b> .....	<b>10</b>
6.1 Glass vials and vessels .....	10
6.2 Vial storage .....	10
<b>7 Sampling</b> .....	<b>10</b>
<b>8 Conditioning</b> .....	<b>10</b>
<b>9 Determination of the dry matter content</b> .....	<b>10</b>
<b>10 Preparation of the samples</b> .....	<b>11</b>
10.1 Test vial .....	11
10.2 Control vial .....	11
10.3 Sealing leak indicator .....	11
10.4 Reference paper .....	11
10.5 Vial sealing .....	12
<b>11 Procedure</b> .....	<b>12</b>
11.1 Number of vials .....	12
11.2 Accelerated ageing .....	12
11.3 Reference paper test pieces removal and reconditioning .....	12
11.4 Measurements of the limiting viscosity number of reference paper test pieces .....	13
<b>12 Calculations</b> .....	<b>13</b>
12.1 Calculation of viscosity-average degree of polymerization ( $DP_v$ ) of the reference paper test pieces .....	13
12.2 Test validation .....	13
12.2.1 Validation of the control .....	13
12.2.2 Validation of the test .....	14
12.3 Expression of results .....	14
<b>13 Report</b> .....	<b>14</b>
<b>Bibliography</b> .....	<b>15</b>