

# DIN EN ISO 18218-2:2019-10 (E)

## Leather - Determination of ethoxylated alkylphenols - Part 2: Indirect method (ISO 18218-2:2019)

---

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>Foreword</b> .....	<b>4</b>
<b>Introduction</b> .....	<b>5</b>
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>6</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 Principle</b> .....	<b>6</b>
<b>5 Apparatus and materials</b> .....	<b>7</b>
<b>6 Chemicals</b> .....	<b>7</b>
<b>7 Sampling and sample preparation</b> .....	<b>8</b>
7.1 Preparation of leather samples.....	8
7.1.1 Sampling and preparation of samples.....	8
7.1.2 Sample extraction.....	8
7.2 Preparation of leather process auxiliary samples.....	9
7.3 Blank determination.....	9
7.4 Determination of OP and NP.....	9
7.5 Determination of OPEO and NPEO.....	9
7.6 Chromatographic analysis.....	10
7.7 Evaluation.....	10
<b>8 Calibration</b> .....	<b>10</b>
8.1 Calibration for OP and NP.....	10
8.2 Calibration for OPEO and NPEO.....	10
<b>9 Calculation</b> .....	<b>11</b>
9.1 Calculation of OP and NP.....	11
9.2 Calculation of OPEO and NPEO.....	11
<b>10 Test report</b> .....	<b>12</b>
<b>Annex A (normative) Preparation of aluminium triiodide</b> .....	<b>13</b>
<b>Annex B (informative) Example of HPLC chromatograms</b> .....	<b>14</b>
<b>Annex C (informative) Example of GC-MS chromatograms</b> .....	<b>16</b>
<b>Bibliography</b> .....	<b>19</b>