

# DIN EN ISO 9936:2011-11 (E)

## Animal and vegetable fats and oils - Determination of tocopherol and tocotrienol contents by high-performance liquid chromatography (ISO 9936:2006 + Amd.1:2011)

---

<b>Contents</b>		<b>Page</b>
<b>1</b>	<b>Scope .....</b>	<b>4</b>
<b>2</b>	<b>Normative references .....</b>	<b>4</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>4</b>
<b>4</b>	<b>Principle .....</b>	<b>4</b>
<b>5</b>	<b>Reagents .....</b>	<b>5</b>
<b>6</b>	<b>Apparatus .....</b>	<b>5</b>
<b>7</b>	<b>Sampling .....</b>	<b>6</b>
<b>8</b>	<b>Preparation of test sample .....</b>	<b>6</b>
<b>9</b>	<b>Procedure .....</b>	<b>7</b>
<b>9.1</b>	<b>Preparation of calibration solutions .....</b>	<b>7</b>
<b>9.1.1</b>	<b>Stock calibration solutions .....</b>	<b>7</b>
<b>9.1.2</b>	<b>Standard solution .....</b>	<b>7</b>
<b>9.2</b>	<b>Optimization of working parameters .....</b>	<b>8</b>
<b>9.3</b>	<b>Preparation of test solution .....</b>	<b>8</b>
<b>9.4</b>	<b>Determination .....</b>	<b>8</b>
<b>10</b>	<b>Expression of results .....</b>	<b>9</b>
<b>11</b>	<b>Precision .....</b>	<b>10</b>
<b>11.1</b>	<b>Interlaboratory test .....</b>	<b>10</b>
<b>11.2</b>	<b>Repeatability .....</b>	<b>10</b>
<b>11.3</b>	<b>Reproducibility .....</b>	<b>10</b>
<b>12</b>	<b>Test report .....</b>	<b>10</b>
<b>Annex A (informative) Examples of chromatograms .....</b>		<b>11</b>
<b>Annex B (informative) Saponification .....</b>		<b>13</b>
<b>B.1</b>	<b>General .....</b>	<b>13</b>
<b>B.2</b>	<b>Reagents .....</b>	<b>13</b>
<b>B.3</b>	<b>Procedure .....</b>	<b>13</b>
<b>Annex C (informative) Results of interlaboratory tests .....</b>		<b>15</b>
<b>Bibliography .....</b>		<b>20</b>