

# DIN EN ISO 15985:2018-02 (E)

Plastics - Determination of the ultimate anaerobic biodegradation under high-solids anaerobic-digestion conditions - Method by analysis of released biogas (ISO 15985:2014)

---

<b>Contents</b>	<b>Page</b>
European foreword .....	3
Foreword .....	4
Introduction .....	5
<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>7</b>
<b>5 Test environment</b> .....	<b>7</b>
<b>6 Reagents</b> .....	<b>7</b>
<b>7 Apparatus</b> .....	<b>8</b>
<b>8 Procedure</b> .....	<b>8</b>
8.1 Preparation of the inoculum .....	8
8.2 Preparation of test material and reference material .....	9
8.3 Start-up of the test .....	9
8.4 Incubation period .....	9
8.5 Termination of the test .....	10
<b>9 Calculation and expression of results</b> .....	<b>10</b>
9.1 Calculation of gaseous carbon .....	10
9.2 Calculation of the percentage biodegradation .....	10
9.3 Calculation of loss in mass .....	11
9.4 Expression of results .....	11
<b>10 Validity of results</b> .....	<b>11</b>
<b>11 Test report</b> .....	<b>11</b>
<b>Annex A (informative) Principle of test system</b> .....	<b>13</b>
<b>Annex B (informative) Example of loss in mass determination</b> .....	<b>14</b>
<b>Bibliography</b> .....	<b>15</b>