

# 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>   |