

# DIN EN ISO 11465:2026-03 (E)

## Sludge and solid environmental matrices - Determination of dry residue or water content and calculation of the dry matter fraction on a mass basis (ISO 11465:2025)

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		iv
<b>Introduction</b> .....		v
<b>1 Scope</b> .....		<b>1</b>
<b>2 Normative references</b> .....		<b>1</b>
<b>3 Terms and definitions</b> .....		<b>1</b>
<b>4 Principle</b> .....		<b>2</b>
4.1 General.....		2
4.2 Principle of method A — Drying at 105 °C (dry residue).....		2
4.3 Principle of method B — Direct Karl Fischer titration (water content).....		2
<b>5 Sample preparation</b> .....		<b>2</b>
<b>6 Method A — Drying at 105 °C</b> .....		<b>2</b>
6.1 General.....		2
6.2 Interferences.....		2
6.3 Hazards.....		2
6.4 Apparatus.....		3
6.5 Procedure.....		3
<b>7 Method A — Expression of results</b> .....		<b>4</b>
7.1 Calculation of dry residue.....		4
7.2 Calculation of water content.....		4
7.2.1 General.....		4
7.2.2 Calculation of water content on a field moist basis.....		4
7.2.3 Calculation of water content on a dry residue basis.....		5
<b>8 Method B — Direct Karl Fischer titration (volumetric/coulometric detection)</b> .....		<b>5</b>
8.1 Interferences.....		5
8.2 Reagents.....		5
8.3 Apparatus.....		5
8.4 Procedure.....		6
8.4.1 Determination of the equivalence factor.....		6
8.4.2 Analysis of liquid samples.....		6
8.4.3 Expression of results.....		6
8.4.4 Analysis of solid samples.....		6
8.4.5 Expression of results.....		7
8.4.6 Calculation of dry matter fraction.....		7
<b>9 Precision</b> .....		<b>7</b>
<b>10 Test report</b> .....		<b>7</b>
<b>Annex A (informative) Repeatability and reproducibility</b> .....		<b>8</b>
<b>Bibliography</b> .....		<b>12</b>