

METHOD STATEMENT

Determinand:

Air-dried Moisture, Total Solids and Loss on Ignition

Matrix:

Sludges, Soils and other Solids

Principle of Method:

- a) The air-dried moisture content is determined gravimetrically by drying at 25-30°C.
- b) The total solids content is determined gravimetrically by drying at 105°C ± 2°C.
- c) The loss on ignition of dry residue is also determined gravimetrically. The residue in the dish from the total solids content determination is ignited in a furnace at 550°C ± 20°C.

Sampling and Sample Preparation:

The sample must be mixed thoroughly to provide as homogenous a sample as possible. Samples are stable for 7 days (ISO 5667-15) from sampling

Interferences:

None.

Performance of Method:

The range of application is

- a) 0.1 - 100% as % moisture
- b) 0.1 - 100% as % dried solids
- c) 0.1 - 100% as % loss on ignition

Normal Reporting Level: 0.1%

References:

Determination of the Total Solids Content (Dry Residue at 105°C) and the Loss on Ignition of Dry Residue at 550°C of Sewage and Waterworks Sludges and Related Solids - Part of: - The Conditionability, Filterability, Settleability and Solids Content of Sludges 1984 (A Compendium of Methods and Tests). HMSO Methods for the examination of waters and Associated Materials. ISBN 0 11 751787 9.

