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Page 1 of 1



Method Summary

The Determination of the Dry Solids residue at 105°C and The Total Ash after ignition at 550°C for soils, sludge's & related materials

Scope and Range

This method is applicable to the determination of dry solids at 105 +/- 5°C in sludge samples and the determination of total ash content after ignition at 550 +/- 50°C. The method has ISO17025 accreditation for sewage sludge and soil but is also applicable to sediment & related materials.

References

Determination of the Dry Solids residue and Water Content. Based on BS EN 12880:2000

Determination of the Ash Content of Dry Matter. Based on BS EN 12879, 2000

Principle

An aliquot of sample is dried at 105 ± 5°C in order to determine the dry residue. Soils, sludge, sediments and related samples are ashed in a muffle furnace at 550 ± 50°C in order to determine the Total Ash content. The total solids determination and the Total Ash content are performed in porcelain crucibles of a suitable size.