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Method Summary

Determination of Air Dried Solids

Scope and Range

This method is applicable to the determination of air dried solids and assisted dried solids, also for determining the stone content greater than 2mm and 10 mm for the range of soils received at the laboratory. This method is non-accredited.

References

MCERTS Performance Standard for Laboratories undertaking chemical testing of soil, Version 5, Environment Agency 2018.

The Preparation and Pre-treatment of Potentially Contaminated Soils and associated materials. Methods for the Examination of Waters and Associated Materials, HMSO, 2015.

Principle

Air Dried Solids

For this analysis, the soil or sludge is brought to an air dried condition where the soil or sludge is dried at ambient temperature and humidity not exceeding 30°C. No further testing is done on this portion of the sample.

2mm and 10 mm

The test is performed by accurately weighing the soil before and after drying from which an air dried/assisted dried solids result is generated as a percentage of the initial wet or dry weight. The quantity of stones greater than 2 mm and 10 mm is determined by sieving and expressing the weight of the stones as a percentage of the dry weight of soil or sludge.

Interferences

None listed