

**Method Number: TM 133**

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Issue Number 32

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**Method Summary****Determination of pH in Soil and Sludges using an automated pH meter****Scope and Range**

This method applies to the analysis of sludge and soil.

The method has MCerts and ISO 17025 accreditation for Sand, Loam and clay soil matrices.

The method has ISO 17025 accreditation for Sludge

Range: pH 1.00-14.00

Limit of Detection: N/A

Results reported to: 0.01 pH units

**References**

BS1377:3:2022 Soils for Civil engineering purposes

**Principle**

Sample tested as received and are extracted by shaking with a 2.5:1 ratio of water to soil and analysed using a pH electrode.

**Interferences**

This method is not suitable for soils or sludge with high saline contents.

Oil and grease may coat the electrode and cause errors in the pH readings. Glass wool is used to filter oily samples, to remove the interference.