

Method Number: TM 282

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Method Summary

Extraction of Magnesium by BRE

Scope and Range

This method is applicable for the preparation of soil samples for magnesium analysis based on the BRE *Digest 363* extraction method.

When the magnesium ion is present in high concentrations, particularly in the presence of sulphate, it can be highly corrosive to concretes.

LOD = 0.008g/L.

The method is not accredited.

References

BRE Special Digest 1:2005 (which replaced BRE digest 363)
BRE 279 1995

Principle

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A portion of dried and crushed sample is extracted by shaking with a 2:1 ratio of water to soil and filtered prior to analysis.

The extract is analysed by ICP-OES instrument measures the intensity of characteristic emission lines, and thus the concentration.

Interferences

None observed.