



Method Summary

Determination of Exchangeable Ammonium and Ammoniacal Nitrogen in Soil Samples

Scope and Range

This method is suitable for the preparation and the subsequent determination of sludge and soil samples for exchangeable ammonium and ammoniacal nitrogen. The LOD is 15 mg/Kg. The method is accredited to the MCERTS standard.

Principle

Preparation and Extraction

A sample of soil is shaken with potassium chloride solution, treated with magnesium oxide then steam distilled and the ammonia driven off. The ammonia is collected in boric acid.

Analysis

Samples are analysed using titration against a known concentration of hydrochloric acid

Interferences

None known.