



## **Method Summary**

### **Determination of Neutralizing value of liming materials and related substances.**

#### **Scope and Range**

This method is applicable to products in-group 5(a) 5(b) of section A of the table in schedule 1 of the Fertilizers regulations 1977.

The method is appropriate soils.

The Neutralizing value can be expressed as a percentage of either calcium oxide or calcium carbonate.

#### **References**

The Fertilizers Regulations 1977.

Liming materials, determination of neutralizing value BS EN 12945, 2015

#### **Principle**

The Lime sample is dried and ground sieved through a 1 mm sieve before processing.

The sample is initially dissolved in a measured quantity of standard Hydrochloric acid and heated on a hotplate, the excess acid is back titrated with a standard solution of sodium hydroxide.

The neutralizing value is then expressed as a percentage by weight of calcium oxide or calcium carbonate calculated from the stoichiometric ratios from the neutralizing equation.

#### **Interferences**

None listed.