

# Compulsive exchange method for measuring surface charge characteristics of soil

**CSIRO Division of Soils - Soil Characterization & Analysis < Center for Applied Isotope Studies (CAIS)**



## Description: -

- Education -- Aims and objectives.

- Education.

- Ion exchange.

- Soil chemistry -- Technique.compulsive exchange method for measuring surface charge characteristics of soil

- Division of Soils divisional report ; no. 40compulsive exchange method for measuring surface charge characteristics of soil

- Notes: Bibliography: p. 7.

- This edition was published in 1979



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## Cations and Cation Exchange Capacity

These electrical measurements are affected by salt concentration in the soil solution and are not very helpful in soils with high salt contents. In 'Handbook of soil science.'

## Soil Water

Wet soil is more difficult to mix and could damage the soil sample box during shipment. Placing soil or boxes in a plastic bag will prevent the soil from air-drying and will take longer to analyze.

## Publication : USDA ARS

The contamination would change the calibration enough to cause inaccurate calibrations. Type of clay: The 2:1 type of clay increases the water retention in the soil. This chapter describes several analytical methods for measuring surface charge properties of clays.

## Publication : USDA ARS

Calcium percentage is essential for calculating CEC and to evaluate the relationship between calcium, magnesium, and potash K. The contributions of soil constituents to fingerprints of these soils have not been established.

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