

LOCATION OF CALCIUM BY CONTACT MICRORADIOGRAPHY

SUMMARY

In this study is shown the possibility of locating calcium in thin section soils preparations by the contact microradiography technique by using continuous filtered X-ray spectra. The filters used are specified in thickness in order to obtain a band width of the spectrum appropriate for the study.

The calcium is found preferably distributed in the mineral grains of the preparation with a gradient decreasing towards the periphery of the grain as well as towards the regions of maximum alteration.

From the results obtained, it is concluded that contact microradiography is a useful method for the morphological study of soils.

Location of the calcium is found in mineral grains; the remainder of the structures present in the preparations do not seem to contain such element.

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