



## Characteristics of fulvic acid extracted from different size soil aggregates

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Aggregate and Organic matter are the basic matter of keeping soil structure and fertility. The relationship between aggregate and soil organic matter was closely. The aggregate separate method and modified humus composition method were combined and the characteristics of fulvic acid in different soil aggregates were studied in this paper. The results showed that comparing FA of the three size aggregates (2~0.25mm, 0.25~0.053mm and <0.053mm), the C/H ratios of 2~0.25mm aggregates were highest, but lgK and the E<sub>4</sub>/E<sub>6</sub> and 2920/1620 ratios were lowest. The C/H ratio of 0.25~0.053mm aggregates were lowest, ΔlgK and the E<sub>4</sub>/E<sub>6</sub> ratio were highest. The 2920/2850 ratios of <0.053mm aggregates were higher.

KEYWORDS Different size soil aggregate; Fulvic acid; Elemental composition; Infrared spectroscopy; Differential thermal analysis.