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摘要：通过微波消解法，对土壤样品进行一次性消解处理制备统一测试溶液，采用原子吸收分光光度法、原子荧光仪法，测定与土壤环境质量密切相关的铜、锌、镍、镉、铬、铅、汞、砷8项重金属含量。研究表明，该法快速简单、准确度高，测定值均在标样的不确定度范围内，且相对偏差均小于7%。

关键词：土壤, 重金属, 微波消解, 统一测试溶液

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[Application of microwave digestion method for making of the united digestive solution to analyze heavy metal content in soil](#)

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Abstract: Researches have been made on standard soil samples, which were digested by microwave method for the making of united digestive solution. Contents of copper, zinc, nickel, cadmium, chromium, lead, mercury and arsenic in the digestion solution were analyzed by the atomic absorption spectrometry or AFS-920 dual channel atomic fluorescence photometers. Testing results of heavy metal is in the range of uncertainty, and the relative deviation is less than 7 percent. The research results show microwave digestion method for the the making of united digestive solution is a quick, simple and accurate method. Results were determined by standard samples

Key words: Soil, Heavy metal, Microwave digestion method, United digestion solution

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