

# USE OF MICROWAVE-ASSISTED DIGESTION FOR DETERMINATION OF ELEMENT CONTENTS IN ENVIRONMENTAL MATERIALS BY ICP-AES AND FAAS

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## Summary

The methods are described for determinations of Al, Fe, Ca, Mg, Ba, Cr, Mn, Ni, Cu, Zn, Pb, Cd, V and Sr in botanical, coal fly ash and soil samples by flame atomic absorption spectrometry (FAAS), and inductively coupled plasma atomic emission spectrometry (ICP-AES). Special attention has been paid to sample preparation, an important stage at which a sample is explored to contaminants. Results of the analysis of all samples are discussed.