

**CONTRIBUTION OF NAA AND OTHER TECHNIQUES TO THE
CERTIFICATION OF TWO NEW POLISH CRMs PREPARED BY INCT**

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Two new reference materials of biological origin namely Tea Leaves (INCTTL-1) and Mixed Polish Herbs (INCT-MPH-2) were prepared and worldwide interlaboratory comparison, in which more than 100 laboratories participated , was organized , with the aim to certify these materials for the content of possibly great number of trace elements.

In this paper a preliminary analysis of the contribution of various analytical techniques to the certification of the new reference materials is presented and discussed with the special emphasis on the role played by neutron activation analysis (NAA) and other radiometric techniques.

The significance of "very accurate methods" by radiochemical NAA in the certification process is pointed out.

An attempt is made to compare the outcome of the present intercomparison with those formerly organized by INCT as well as with some earlier IAEA intercomparisons in order to demonstrate similarities, differences and trends in the use of the various analytical techniques in trace analysis as a function of time.