NEUTRON ACTIVATION ANALYSIS IN PLANTS

by

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Thesis

Submitted in partial fulfillment of the requirements for the

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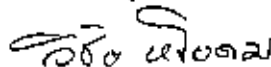
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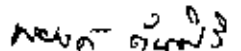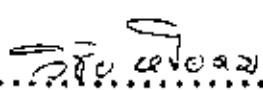
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ABSTRACT

An experiment on non-destructive neutron activation analysis, of plant samples is described. List of samples and elements analysed are shown in the following table :

Samples	Na	K	Mn	Cl	Al	P	Zn
Plant leaf	✓	✓	✓	✓	✓	-	✓
Beans	✓	✓	✓	✓	✓	✓	✓
Bean ash	-	-	-	-	✓	-	-
Grain	✓	✓	✓	✓	✓	-	-
Flour	✓	✓	✓	✓	✓	-	-

The irradiations were performed at a nuclear reactor. For short irradiation (less than half an hour), the pneumatic system was used. For long irradiation (about two months), samples were placed in the beam tube.

ACKNOWLEDGEMENT

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