

Non-destructive Neutron Activation Analysis of Lunar Samples

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(C Z E C H O S L O V A K I A)

The samples of soil and rock (12084, 141; 12070, 83 and
12063, 73) were studied by the non-destructive neutron acti-
vation analysis using semiconductor gamma ray-spectrometry.
Both short- and long-lived neutron activation products were
investigated. The macro- and microelements were determined
in original samples as well as in separated mineral fractions
(olivine, ilmenite, feldspar, clinopyroxene, glass). For com-
parison, the lunar glass subfractions and terrestrial tectites
were analyzed by the same method.