

Analysis of glass inclusions using LAM-ICP-MS

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This report is a result of an analysis of volcanic glass and glass inclusions in phenocryst using LAM-ICP-MS.

Sample are NIST, JB2, and phenocrysts and glass inclusions at Towada volcano.

Analytical elements are Rb, Sr, Y, Zr, Nb, Cs, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Lu, Hf, Ta, Th, Pb and U. Internal standard element is Sr.

Analytical condition was changed at a period, a frequency and an area of the reaser.

Magma of Towada volcano, a viewed from trace element analysis of glass inclusions, are classed in 3 patterns.