

INVESTIGATION OF MINERAL MATTER OF THE MONGOLIAN KHOOT OIL SHALE

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The mineral matter of Khoot oil shale was investigated by petrography, FT-IR, SEM, XRD, chemical, atomic absorption methods and emission spectral analysis. Khoot oil shale contains 25 % organic matter and belongs to the aluminosilicate-carbonate type of oil shales with 51 % clay-minerals and 10 % calcite and dolomite. It contains also some rare elements such as yttrium, scandium and beryllium. SEM photography shows that Khoot oil shale is of pleated-sheet and schistose external structure and blasto-aleuropelitic internal texture.