

МИНЕРАЛЫ И ПАРАГЕНЕЗИСЫ МИНЕРАЛОВ

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**ТУРМАЛИНЫ БАЯНУЛЬСКОГО МОЛИБДЕН-МЕДНОПОРФИРОВОГО
ПРОЯВЛЕНИЯ (ЦЕНТРАЛЬНАЯ МОНГОЛИЯ)**

Parageneses, chemical composition (electron microprobe and chemical analyses), unit cell parameters are considered for tourmalines of the first manifestation of molibdenium-copperporphyric mineralization, the Central Mongolia. The tourmalines are of specific ferriferous dravite — ferric-iron tourmaline series, characterized by high Fe^{3+} content and linear correlation between unit cell parameters (a , c , V) and iron content. Quartz-cericite and quartz-tourmaline metasomatites with accompanied formations of conjugate sedimentation form the united metasomatic formation. Its tourmaline parageneses relate to the facies of high boron activity. Parageneses of acidic leaching and conjugate sedimentation have the different evolution trends of tourmaline composition related to the more of less ferriferous branches of the composition total series. The composition and unit cell parameters of sedimentation stage tourmalines are similar to those of gold ore manifestations. They are characterized by heightened concentrations of gold, silver, copper. The results are suitable for estimation of ore content in tourmaline-bearing metasomatites.