

*Mihalchenko I.I.* **Estimation of concentration of uranium in albitites of the Novokonstantinovka ore deposit, the Ukrainian Shield.** The study tested that investigational selection of determinations of uranium percentage of mass in the samples of uranium albitites of the Novokonstantinovka ore deposit is not homogeneous, and consists of four groups. As a result of estimation middle geometrical uranium percentage of mass four levels of concentration of uranium of relatively unchanged granites of the Novoukrainka massifs are set in these groups. The least estimation of coefficient of concentration of uranium – 10,2, the largest – 12044.

*Key words:* uranium, coefficient, concentration, albitite, Novokonstantinovka ore deposit.