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## **СОСТАВ, КРИСТАЛЛОСТРУКТУРНЫЕ ОСОБЕННОСТИ И ГЕНЕЗИС ЮВЕЛИРНОГО КОРДИЕРИТА С В. ПАМИРА**

*A. A. ZOLOTAREV, M. S. DUFOUR. COMPOSITION, CRYSTALLOSTRUCTURAL  
PECULIARITIES AND GENESIS OF GEM CORDIERITE FROM THE EASTERN PAMIRS*

The studied gem cordierite distinguishes itself by the higher degree of ordering ( $\Delta = 0.233—0.247$  °) and the lower ferruginosity ( $f = 8.5—16.0$  %). Its forming has gone on at regressive stage of the amphibolitic facies metamorphism under temperature 700—600 °C and fluid pressure 340—470 MPa, with an intermediate composition of the fluid ( $N_{H_2O} = 0.45—0.57$ ).