

УДК 549.612

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**РОССМАНИТ, ОЛЕНИТ, ЭЛЬБАИТ И ПРАВИЛО 50 %  
ПРИ ВЫБОРЕ ГРАНИЦ МЕЖДУ МИНЕРАЛЬНЫМИ ВИДАМИ  
СРЕДИ Li-Al ТУРМАЛИНОВ**

A. A. ZOLOTAREV, A. G. BULAKH. ROSSMANITE, OLENITE, ELBAITE AND 50 % RULE  
AS A BASIS FOR DISTINGUISHING BETWEEN MINERAL SPECIES AMONG Li-Al TOURMALINES

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New structural formulae of liddicoatite, rossmanite and olenite recalculated using a uniform approach are presented. The compositions of Li-Al tourmalines are plotted on vector diagrams (Burt, 1989; Zolotarev, 1996). On these diagrams, the composition of rossmanite plots within the olenite field. Moreover, there is no difference between properties and X-ray data of rossmanite and olenite. It indicates that among Li-Al tourmalines, new mineral species cannot be distinguished exclusively on the basis of atomic occupancy at a particular structural site. All interdependent substitutions for atoms in different structural positions have to be considered.