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The Geochemical Characteristics of Lincang Granite of Different Periods

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Lincang granite is divided into the continental margin arc granite of Permian, the collision granite of Triassic and the post-orogenic granite of Jurassic and Cretaceous. The continental margin arc granite of Permian makes up of tonalitediorite, granodiorite, monzogranite, and mylonite granite, granitic mylonite. The petrochemical characteristics indicates that Ta, Y negative anomaly, Rb, Ba, Th, Ce enrichment, with the characteristics of the volcanic arc granite. The collision granite of Triassic is mainly the adamellite, the main body of Lincang granitic, has intrusive contact relationships with the Damenglong rock group of Middle Proterozoic, the Lincang rock group

of Neoproterozoic, the granodiorite of Permian, underlies unconformably Huakaizuo group of Middle Jurassic. The geochemical characteristics is similar to the syn-collisional granite of Tibet. The Cretaceous orogenic granite is mainly light-colored granitoids, invasive in the Triassic adamellite and Permian granodiorite, its petrochemical characteristics show more characteristics of post-orogenic granites.

Key words: Lincang granite, different periods, geochemical characteristics

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