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21 March 1996

Dr. James E. Shigley
Director of Research
Gemological Institute of America
1660 Stewart Street
Santa Monica, CA 90404

Kennecott

Dear Jim,

This letter accompanies the delivery of a 1.54 carat, mixed cut of synthetic red beryl. The specimen is hereby donated to the Gemological Institute of America for use in the red beryl gemstone authentication study currently underway at your lab. The primary purpose in providing the stone is to supply material appropriate for determining the diagnostic characteristics which allow for the distinction between natural and synthetic red beryl. From a cursory examination by myself, it appears that the synthetic displays a more pronounced pleochroism than the natural material, and that the synthetic is characterized by distinct internal graining in contrast to its absence in the gemstone, where fingerprint inclusions are common.

The stone was purchased earlier this month from the representatives of the Coast to Coast group at a cost of US\$250 per carat. They indicated that the material had been produced at the Russian Academy of Sciences, Siberian Branch, Institute of Synthetic Crystallurgy, in Novosibirsk.

Sincerely,



William R. Rohtert
Manager of Gemstones

enclosures: 1.54 carat mixed cut synthetic red beryl
cc: S.D. Craig, Reno