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Hetian jade - Testing and classification

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard was proposed by the Ministry of Natural Resources of the People's Republic of China. This standard is under the jurisdiction of the National Jewelry and Jade Standardization Technical Committee (SAC/TC298). This standard was drafted by: National Hetian Jade Product Quality Supervision and Inspection Center (Xinjiang), National Jewelry and Jade Quality Supervision and Inspection Center, National Gold and Silver Jewelry Quality Supervision and Inspection Center (Sichuan), National Gold and Diamond Products Quality Supervision and Inspection Center, Guangdong Jewelry, Jade and Expensive Metal Testing Center, Xinjiang Rock Mine Baoyu Stone Product Quality Supervision and Inspection Station, China University of Geosciences (Wuhan) Jewelry College, Xinjiang Hotan Jade Exchange Easy Center, Xinjiang Hehe Jewelry Co., Ltd., Xinjiang Jewelry Jade Jewelry Industry Association, Xinjiang Hetian Jade Market Information Alliance Chamber of Commerce. The main drafters of this standard. Li Xinling, Ke Jie, Dai Sulan, Wei Wei, Zhang Yong, Cheng Youfa, Shen Xiaoping, Hou Shunyu, Yue Yunhui, Yang Mingxing, Ma Guoqin, Guo Cui, Li Zhongzhi, Wang Jiansheng, Long Chu, Chen Dapeng, Chang Yayun, Wei Ran, Li Wenli, Liu Sujun, Wang Fei, Su Jun, Feng Xiaoyan, Di Jingru. Hetian jade identification and classification

1 Scope

China's national standard for testing and classifying Hetian jade. It specifies the terms and definitions, the identification, the classification and the naming. Hetian jade is nephrite, and it holds a place in Chinese culture that no Western gem material occupies - it has been carved for four thousand years, it carries a symbolic weight comparable to gold in the West, and the best white material trades at prices that make it among the most valuable substances by weight in the country. That value creates the problem the standard addresses. Nephrite is chemically simple and its appearance is easily imitated, by serpentine, by quartzite, by glass and by dyed and treated material of the same species; and the name Hetian carries a geographic origin claim that the material itself cannot prove, since nephrite from other deposits is mineralogically identical. Fixing what may be tested, what may be classified and what may be named is therefore the whole substance of it.

This standard specifies the basic contents of Hotan Jade's terms and definitions, identification, classification, naming rules and identification certificates. This standard applies to the identification and classification of Hetian jade raw materials and finished products.

2 Normative references

The following documents are essential for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For the cited documents without date, the latest version (including all amendments) applies to this document.

GB/T 16552 Name of jewelry and jade

GB/T 16553 appraisal of jewelry and jade

3 Terms and definitions

The terms and definitions defined in GB/T 16552 and GB/T 16553 and the following apply to this document.

3.1 HetianYu Produced by nature, it has beautiful, durable, scarce and craft value, and can be processed into a collection of tremolite mineral ornaments, secondary minerals It can be actinite, which can contain a small amount of calcite, diopside, graphite, pyrite, chromite, magnetite, quartz, serpentine, chlorite, epidote, silicon Minerals such as limestone, apatite and garnet. Refractive index 1.60 ~ 1.61 (point measurement), density 2.95 (0.15, -0.05) g/cm³.

3.2 TangSe Impregnated with iron, manganese oxides or hydroxides of natural origin, the whole or part of Hetian jade appears reddish brown, brown, brownish yellow or The collective name for dark brown and other colors.

3.3 Baiyu BaiYu The main color hue is white Hetian jade, which may have very slight other tones.

3.4 Sapphire QingYu Hetian jade with medium to dark cyan, grayish green, yellowish green and other colors.

3.5 Qingbaiyu QingbaiYu The main color is between white jade and sapphire, and it is light to medium cyan, gray, cyan and other shades of Hetian jade. 3.6 BiYu The main color is light to dark green, gray-green, turquoise, dark green, dark green and other shades of Hetian jade, and is caused by iron, chromium, nickel and other elements.

3.7 Topaz HuangYu The main body color is light to medium yellow, green yellow, chestnut and other shades of Hetian jade.