

GEM IDENTIFICATION REPORT - DISCLOSURE NOTES & LIMITATIONS

V18.11.8

Global Gemological Laboratory Sdn Bhd (“GlobalGem”) Reports reflect the findings and professional opinion of our qualified gemologists based on the results of approved gemological and advanced scientific instruments testing. It identifies the nature of the gemstones whether it is natural or synthetic, and includes any detectable possible enhancements, along with an opinion on the geographic origin if determinable and requested by client. The photograph or image of the object described in our Reports are only approximate and may differ in size and color with the actual. The object examined can be modified and/or enhanced after the issuance of the Report. Our Report does not constitute a guarantee for or an appraisal of the object described herein. GlobalGem assumes no responsibility for any damage or loss, or claims by third parties, which may arise from the issuance, use or misuse of this Report. Please always verify our Reports online using our report check verification system to confirm the authenticity of our Reports.

Origin

Origin determination is an expert opinion. At GlobalGem, geographic origin is based on comparisons with the internal characteristics, chemical and physical properties, and spectroscopic data recorded for reference gemstones of known identity. Designations of geographic origin are statements of opinion indicating the most possible origin. They do not guarantee the provenance of particular gemstones, as individual gemstones from different sources may possess very similar characteristics and properties.

Enhancement

Enhancement, also known as treatment, is commonly applied to many natural gemstones. It is any additional process other than cutting and polishing that improves gemstone’s appearance and/or durability. GlobalGem provides disclosure notes and information on detected enhancement.

Ruby and Sapphire

Both Ruby and Sapphire are commonly treated to enhance their appearance. GlobalGem adopts a disclosure policy whereby treatment detected will be described in the comment section of our Report.

No indications of heating : No indications of heating have been detected in the gemstone described.

Heat (H) : Corundum is relatively heated to enhance the clarity and color. This kind of treatment is very common in the trade and considered as a permanent enhancement.

Heat + Fissure Healing (H+FH) : Stone is heated with a flux to fulfill/ heal fissures. Such treatment improves color and clarity and considered by GlobalGem as permanent.

Heat + Surface Diffusion (H+SD) : During this treatment a stone is exposed to heat with external color-causing elements to improve its clarity, color, and/or add asterism. Re-cutting may remove the color or star.

Heat + Beryllium Diffusion (H+Be) During this treatment a stone is exposed to heat with Beryllium to improve clarity, add asterism or change the color of the gems. Recutting may remove the color.

Fissure Filling (FF) : This treatment is used to hide the fissures by filling it with oil or resin to improve clarity and/or color of the gemstone. The filler could get worsen with time resulting in deterioration of the gemstone’s appearance.

Heat + Glass Fissure Filling (H+GF) : The stone is enhanced by this method to improve the stones color/clarity. Fissures/Cavities are filled with lead glass to improve the clarity by hiding the surface-reaching fracture.

Irradiation (IR) : Irradiation is a very rare type of treatment on today’s market. It used to induce yellow color for corundum. It’s not stable, color would fade if exposed to intense light.

Emerald

Due to the properties of emerald or the way of mining, natural emeralds are usually fractured to either a greater or lesser degree. As such, emeralds are commonly enhanced in order to improve their clarity by reducing the visibility of fractures through the use of different fillers. Fillers can include oil, wax, natural and artificial resin. The degree of treatment will be described in a comment section of our Report. Clients need to be aware that an emerald could potentially be treated again after being tested in GlobalGem laboratory. GlobalGem applies the following descriptions, in the time of testing, to grade the presence of fillers : (1) No indication of clarity enhancement, (2) Indications of Insignificant clarity enhancement, (3) Indications of Minor clarity enhancement, (4) Indications of Moderate clarity enhancement, and (5) Indications of Significant clarity enhancement.

Cavity filling noticed by GlobalGem during examination will be disclosed in the comment section of our Report.

Jadeite

For Jadeite, GlobalGem distinguishes the following types of treatment.

Type A : Natural Jadeite without treatment, could be polished with wax.

Type B : Natural Jadeite, which has been bleached and impregnated with polymers.

Type C : Natural Jadeite, which has been dyed to improve its color.

Type B + C : Natural Jadeite, which has been bleached, impregnated with polymers and dyeing, which is combination of “Type B” and “Type C”.

Type D : Composite stone (Doublet) composed of a Jade top and other material backing, used to improve durability and/or appearance.

Other Possible Treatments

Coating (C) : This treatment is used to change stone's appearance, basically color, by applying a coloring agent, like paint, to all the gemstone's surface. Coating is not stable type of treatment, it may scratch or rub off.

Dyeing (D) : Some porous or fractured gems are exposed by colored dyes change their color.

Assembled Stone (A): An assembled stone is one constructed of two or more glued materials. Usually purpose of such kind of materials is to fraud the customer.

Quality and Rarity

Any opinion on the quality and rarity of the gemstone is issue provided the gemstone meets the internal conditions, criteria and requirements of GlobalGem. GlobalGem solely reserves its right to refuse issuing a report for any gemstones at any time without explanation.

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