

JEWELLERY REPORT

Date : 13.02.2015
 Report No : D630541386
 Jewel Type : Ring
 Description : Natural Emerald
 Shape and Cutting Style : Pear
 CARAT WEIGHT : 6.14 CT
 COLOR GRADE : G
 CLARITY GRADE : VS
 CUT GRADE :
 POLISH :
 SYMETRY :
 TOTAL GRAM WEIGHT : 6.95 gr
 GOLD STANDART : 18 K

SIDE STONES

STONE TYPE	WEIGHT	SHAPE	COLOR GRADE	CLARITY GRADE	CUT GRADE	POLISH	SYMETRY	PCS
Natural Diamond	0.52 CT	Pear	G	VS				2

COMMENTS

ONE 18K WHITE AND YELLOW GOLD RING STAMPED "750" WEIGHING IN TOTAL 6.95 GR CONTAINING 1 NATURAL EMERALD AND 2 DIAMONDS

APPROVAL AUTHORITY

The certificate details the characteristics of the mentioned diamond that has been established by scientific measurements and observations. The exacting process of testing and identifying diamond is performed by experienced academical gemologist using the latest scientific instruments.



A. Prof. Dr. Murat HATİPOĞLU
 A. Prof. Dr. Murat HATİPOĞLU
 Senior Staff Gemologist-Director of the Laboratory
 (Ph.D. in Mineralogy and Petrography of Geological Engineering)

This Report is provided upon request of the customer and/or the owner of the diamond. It is not a guarantee, valuation or appraisal of any kind. The Report only contains the characteristics of the diamond at the time of the examination. DGA has made no representation or warranty regarding this Report or the value of the diamond described herein. The recipient of this Report may wish to consult a credentialed jeweler or gemologist about the information contained herein.



IMPORTANT LIMITATIONS ON BACK



COLORED STONE REPORT **ELECTRONIC COPY**

February 4, 2022

IGI Report Number 508135803
 Species NATURAL BERYL
 Variety EMERALD
 Shape and Cutting Style PEAR MIXED CUT
 Weight 6.14 CARATS
 Measurements 15.02 x 10.95 x 6.22 mm
 Color and Transparency GREEN,
 TRANSPARENT
 Characteristics NATURAL INCLUSION(S)
 PATTERN



Comments:
 Indications of moderate clarity enhancement with Oil

OPTICAL and PHYSICAL PROPERTIES

Refractive Index 1.577 - 1.583
 Birefringence 0.006
 Optic Character UNIAXIAL
 Optic Sign -
 Specific Gravity 2.72

Optical and physical properties are approximate values

Species & Variety

Gems may be classified in different species, according to their basic chemical composition and crystal structure; within a certain species, small differences in composition may result in different colors, or varieties.

The way that light interacts with the gem may create some astonishing optical phenomena, such as a star, a cat's eye effect or change of color, in different varieties

Transparency

As light passes through a gemstone, part of it, if not all, will be absorbed, and part will be transmitted. The more light that is absorbed the less transparent the stone will be.

Characteristics

Internal characteristics are the fingerprints of a gemstone. Not only do they provide essential information about the formation, but also the possible geological and geographical region where they originate from. Sometimes they also provide information about whether the gemstone has been treated.

Refractive Index

When light passes through air and enters a gemstone it slows down due to a difference in the medium. The ratio between the speed of light in air and in a particular medium is known the Refractive Index.

Optic Character

Determining how light travels through the crystal. Using a range of specialized instruments, we will be able to establish if the stone is isotropic or anisotropic, uniaxial or biaxial.

Specific Gravity

Specific gravity is the ratio of the density of the gemstone to the density of an equal volume of water.

All IGI Laboratories employ a wide range of state-of-the-art equipment, like FTIR and Raman spectrometers, all of which give a unique spectral graph for different gemstones. They can reveal the species of the gemstone, treatments and, at times, even the geographic origin.



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