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SIDE STONES

STONE TYPE	WEIGHT	SHAPE	COLOR GRADE	CLARITY GRADE	CUT GRADE	POLISH	SYMETRY	PCS
Natural Diamond	0.31 CT	Round	G-H	VS - SI				14
Natural Diamond	3.04 CT	Round	G-H	VS - SI				24

COMMENTS

ONE 18 K WHITE GOLD RING STAMPED "750" WEIGHING IN TOTAL 12.78 GR CONTAINING 1 NATURAL SAPPHIRE 38 DIAMONDS WITH AN **ESTIMATED WEIGH OF 3.35 CT**

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 Senior Staff Gemologist-Director of the Laboratory (Ph.D. in Mineralogy and Petrography of Geological Engin

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 represantation or warranty regarding this Report or the value of the diamond described herein. The recipient of this Report may wish to consult a credentialled jeweler or gemologist about the information contained herein.





COLORED STONE REPORT | ELECTRONIC COPY

February 4, 2022

Characteristics

Country of Origin

IGI Report Number 508135799

Species NATURAL CORUNDUM

SAPPHIRE Variety

Shape and Cutting Style **CUSHION MIXED CUT**

Weight 4.05 CARATS

Measurements 10.40 x 9.59 x 4.54 mm

Color and Transparency BLUE,

TRANSPARENT

NATURAL INCLUSION(S) PATTERN.

NO INDICATIONS OF TREATMENT HAVE BEEN FOUND

BASED ON CURRENT GEMOLOGICAL INFORMATION THE GEMSTONE DESCRIBED

ABOVE WOULD BE CLASSIFIED AS BEING OF "SRI LANKA"

ORIGIN



OPTICAL and PHYSICAL PROPERTIES

1.762 - 1.770 Refractive Index

0.008 Birefringence

UNIAXIAL Optic Character

Optic Sign

4.00 Specific Gravity

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-theart 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 aeographic origin.



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February 4, 2022

IGI Report Number

Species NATURAL CORUNDUM

SAPPHIRE Variety

Shape and Cutting Style CUSHION MIXED CUT

Weight 4.05 CARATS

Color and Transparency TRANSPARENT

Characteristics

Measurements

NATURAL INCLUSION(S) PATTERN. NO INDICATIONS OF TREATMENT HAVE BEEN FOUND

10.40 x 9.59 x 4.54 mm

508135799

Country of Origin

BASED ON CURRENT GEMOLOGICAL INFORMATION THE GEMSTONE DESCRIBED ABOVE WOULD BE CLASSIFIED AS BEING OF "SRI LANKA" ORIGIN





February 4, 2022 508135799 CUSHION MIXED CUT 4.05 CARATS NATURAL CORUNDUM SAPPHIRE

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