



**INTERNATIONAL
GEMOLOGICAL
INSTITUTE**

ELECTRONIC COPY

COLORED STONE REPORT

May 1, 2025

IGI Report Number	698550388
Species	NATURAL BERYL
Variety	AQUAMARINE
Shape and Cutting Style	OVAL MODIFIED BRILLIANT
Total Weight	2 STONES -2.83 CARATS
Weight Each	1.33 & 1.49 Carat
Measurements Each	8.19 x 6.67 x 4.37 mm & 8.13 x 6.85 x 4.67 mm
Color and Transparency	BLUISH GREEN AND GREENISH BLUE, TRANSPARENT
Characteristics	NATURAL INCLUSION(S) PATTERN

Comments:
Aquamarines are commonly enhanced, indicative
evidence is typically lacking.



Photography is approximate



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 inclusions of a gemstone. Not only do they provide essential information about the formation but also the conditions in which the gemstone is grown.

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 as 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, which provides comprehensive and accurate assessment of different gemstones.



May 1, 2025

IGI Report Number	698550388
Species	NATURAL BERYL
Variety	AQUAMARINE
Shape and Cutting Style	OVAL MODIFIED BRILLIANT
Total Weight	2 STONES -2.83 CARATS
Weight Each	1.33 & 1.49 Carat
Measurements Each	8.19 x 6.67 x 4.37 mm & 8.13 x 6.85 x 4.67 mm
Color and Transparency	BLUISH GREEN AND GREENISH BLUE, TRANSPARENT
Characteristics	NATURAL INCLUSION(S) PATTERN

Comments:

Aquamarines are commonly enhanced, indicative
evidence is typically lacking.



IGI

May 1, 2025
698550388
OVAL MODIFIED BRILLIANT
2 STONES - 2.83 CARATS
NATURAL BERYL
AQUAMARINE

