

ED GEMSTONE REPORT

September 09, 2020

GCAL Report Number C301620025

Carat Weight	1.49
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Shape & Cutting Style Oval Mixed Cut

Measurements	8.16x6.01x3.12mm
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GEMOLOGICAL IDENTIFICATION

Gemstone Variety	Diffusion-Treated Natural Sapphire
Color	Colorless to light blue
Clarity	Highly transparent, with some inclusions
Hardness	9 on the Mohs scale
Specific Gravity	4.00
Refractive Index	1.762 - 1.770
Birefringence	0.0085 - 0.0095
Optical Character	Uniaxial negative
Crystallographic Form	Hexagonal prisms
Chemical Composition	Al ₂ SiO ₅
Heat Treatment	Diffusion treatment
Identification	Diffraction pattern, UV fluorescence
Value	Highly valued for its clarity and color

Mineral Species	Natural Corundum
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Treatment	Diffusion and Heat
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Color Blue

Transparency Transparent

ADDITIONAL INFORMATION

Surface diffusion treatment creates color. The effect is shallow to the surface. Avoid repolishing or recutting.



The manufacturer has provided documentation stating that this gemstone has come from recycled sources.

The conclusions expressed in this report are the opinions of Gem Certification & Assurance Lab, Inc. (GCAL) based on our interpretations of results obtained from standard gemological tests and grading analysis. Most colored gemstones have been subjected to color and/or clarity enhancement treatments. Many of these treatments are considered standard practice and are stable and permanent. These expressions are not warranties or guarantees, and may vary, within reasonable tolerances, due to the vagaries of gemstone treatments, internationally.