GIA® GIA Gemological Report

Emerald Origin Report

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Image is not to scale. Color is approximate.

Emerald

Emerald is the green variety of the mineral beryl that is colored primarily by chromium. The name comes from the Greek word smaragdos, which means "green gem." One of the first known emerald mines was in Egypt and was named after Cleopatra. Today, significant sources of emerald include Colombia, Zambia, and Brazil.

Characteristics

Mineral	Mohs Hardness	Toughness	Birthstone
Beryl	7.5-8	Fair to Good	May

To learn more about how GIA determines and classifies gemstone origin, go to reportcheck.gia.edu to view this report.

The results documented in this report refer only to the article described, and were obtained using the techniques and equipment used by GIA at the time of examination. This report is not a guarantee or valuation. For additional information and important limitations and disclaimers, please see www.gia.edu/terms or call +1 800 421 7250 or +1 760 603 4500.

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Details

Item Description
One loose stone

Weight
5.02 carats

Measurements
10.96 x 8.93 x 6.88 mm

Shape
Octagonal

Color
Green

Transparency
Transparent

Cutting Style
Step Cut

Results

Species
Natural Beryl

Variety
Emerald

Geographic Origin
Zambia

Additional Results
Clarity Enhanced (F2)

Comments

Any statement on geographic origin is an expert opinion based on a collection of observations and analytical data. Due to their growth conditions in nature and recovery methods, most emeralds contain surface reaching features. For this reason, clarity enhancement is a common trade practice.

Clarity Enhancement

No Fissures Present	No or Insignificant Clarity Enhancement	Qualification of Clarity Enhancement		
		F1	F2	F3
None	No Indications of Clarity Enhancement	Minor Clarity Enhancement	Moderate Clarity Enhancement	Significant Clarity Enhancement

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