



EMERALD

GEMSTONE WORKSHOP

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Ends with a Quiz time!!!



HISTORY OF EMERALD

The vibrant green stone is one of the jewelry's most beautiful and popular gemstones.

An ancient stone, the oldest emeralds are about 2.97 billion years old.

The first record of emeralds being mined was in Egypt around 1500 BC

EMERALD: A GIFT FROM MOTHER EARTH



One of the only 4 precious gemstones on the planet.

Truly an heirloom gemstone for centuries now.

Also known as green regime of highly precious gem world.

It was befitted in the crown of Kings & necklaces of queens since the Mogul era of 14th century.

Bringing you the privilege of owning most beautiful gift from the Mother Earth.



COLOR RESEMBLANCE IN NATURE





TYPES OF EMERALDS

ZAMBIAN, COLOMBIAN, AND ETHIOPIAN

ZAMBIAN EMERALDS

- Zambian Emeralds first discovered in 1928.
- The deposits are located near the Kafubu River in the Ndola Rural Restricted Area.
- Initial investigations did not reveal good quality gems.
- Exploratory work was continued in the 1940s and 1950s.
- During 1970s, local miners discovered several more deposits.
- Kafubu area became major producer of good quality emeralds.
- Emerald deposits are now distributed over the area of 200 km².
- Zambia is considered the world's second most important source of emeralds by value.



KAGEM ZAMBIAN EMERALD



REASON TO BE IN GLOBAL SPOTLIGHT

Zambian emeralds have become increasingly popular in recent years.

One reason for their popularity is their high quality & unique appearance.

Because of lower incidence of “eye-visible inclusion” - it has has great level of clarity.

Due to clarity, light reflects much better, enhancing their color and making it more appealing.



MINING LOCATION

- Shop LC sources our supply from the Kagem Mines of Zambia.
- Kagem - world's single largest emerald mine.
- In southern part, Copperbelt Province, south of Kitwe.

ABOUT COLOR

It has green hue with bluish tinge.

The presence of chromium lends a bright green color.

Iron, Vanadium give blue hints.

Transparent-translucent stone.

Displays many shades.

Wide color range makes sorting challenging.



ABOUT THE CUT

GIA – Emerald is difficult to cut.

Has significant fractures & brittle nature.

Also has hexagonal crystal structure.

Cutter must maximize effect of hue, tone & saturation.

Can be cut in different shapes.

Most popular: square or emerald cut.

These maximize shape and weight of crystal.

Takes about 1 hour to facet 8-10 gems from just one side.

PROCUREMENT INFORMATION

Shop LC
procured
finished
emerald from
local market.

We have
procured
required
quantity from
single vendor.

Due to our
goodwill, we
were able to sort
out best gems
from vendor's
lot

Member of Beryl family.

GIA- 'Zambia' world's 2nd
important emerald source by
value (after Colombia).

Official gem of North
Carolina since 1973.

Color: Vibrant green

Refractive Index: 1.577 to
1.583

Mohs Hardness: 7.5 to 8

COLOMBIAN EMERALD

Colombian emeralds are globally famous for their quality. • Generally, the most expensive per carat. • Comparatively, price of F1 Colombian emerald is equivalent to F3 Zambian emerald. • Each mining location worldwide produces a different color variation of emerald. • The leafy green shade is unmatched with the gradient of green available in other emeralds.



**ETHIOPIAN
EMERALD**



**COLOMBIAN
EMERALD**



**KAGEM ZAMBIAN
EMERALD**



CLARITY OF COLOMBIAN EMERALDS

Eye-clean emeralds are especially valuable.

Emeralds that have no eye-visible inclusions are very rare.

Typically contains inclusions that are visible to the unaided eye.

Usually displays jagged or fluid inclusions.

Formed between 40 and 65 million years ago.

Colombian emeralds were mined by the indigenous people of what is today, Boyacá Province.

Experts estimate that natives were mining and trading Colombian emerald as early as 1000 BC.

Emeralds were among the first gemstones mined in the world.

Colombia is home to the largest source of emeralds worldwide.

Yield a finer variety than other emerald mines across the globe.

Colombian variety grabs the top position for transparency, crystallization and fire.

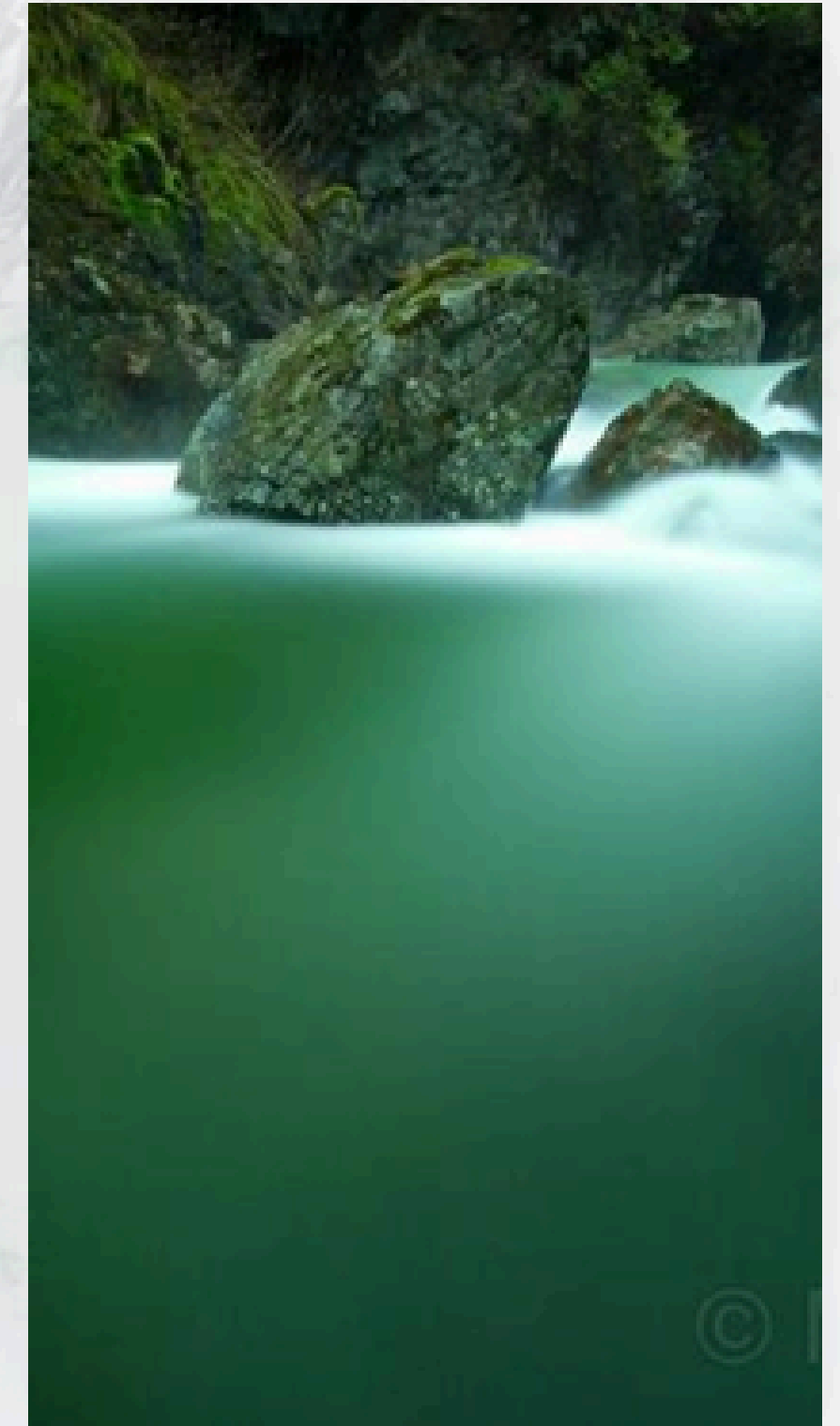


ETHIOPIAN EMERALD

Discovered in August 2016. • Comparable to those mined in Colombia. • Had set the gem world afire. • Located in central part of Ethiopia. • Sits in the northern section of richest Precambrian belt. • Formed some 650 million years ago.



COLOR REMINISCENT OF BEAUTY OF NATURE



ETHIOPIAN EMERALD

A New Addition To The Market Worth Exploring

- Emeralds: History's most ancient treasure.
- Rarer and often more expensive than diamonds.
- Ethiopian emeralds are known for their unique grass-green color.
- Relatively a new addition to the market.
- Less expensive than emeralds from other locations.
- Hence, a more affordable options.
- With increasing popularity, sure to see a jump in price.
- Ethiopian Emeralds are from Sebo Boru District, Ethiopia.



HOW IS IT DIFFERENT FROM OTHER EMERALDS?

- Colombian emerald displays intense, pure green color & Zambian emeralds displays darker shade of green.
- Whereas Ethiopian emeralds are known for their lighter green shade.
- Colombian emeralds tend to be high in chromium and vanadium, but low in iron.
- Emeralds from Ethiopia have less chromium and vanadium, relatively high iron content.
- Ethiopian emeralds are less expensive than its Brazilian and Zambian counterparts.



COLOMBIAN EMERALD



ZAMBIAN EMERALD



ETHIOPIAN EMERALD



ETHIOPIAN EMERALD MINES

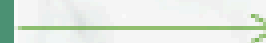
PROCUREMENT DETAILS

Ethiopian emerald
not available with
multitude of
vendors.

Only few selected
vendors offer.

Procured 2-3000 ct
finished emerald.

Procured at
attractive prices.



MINING

Various Emeralds mined in Colombia, Madagascar, Canada, Zambia, and Brazil.

Mine production is sporadic.

Only accessible 5-6 months a year, due to dangerous flooding during rainy season.

Buying activity is closely restricted by government. There's no knowing how long supply will last.



SKU: 7769586

GEMOLOGICAL PROPERTIES

- **Colour:** Green Green (yellowish green through bluish green)
- **Family:** Beryl
- **Mohs Scale Hardness:** 7.5 - 8
- **Specific Gravity:** 2.67 - 2.78
- **Refractive Index:** 1.560 - 1.605
- **Lustre:** Vitreous
- **Crystal System:** Hexagonal
- **Transparency:** Transparent to opaque
- **Chemical Formula:** $\text{Be}_3\text{Al}_2(\text{SiO}_3)_6$
- **Composition:** Beryllium Aluminium Silicate



NATURAL OR TREATED?

- Emeralds are majorily oil treated.
- Emeralds by nature contain huge number of fractures.
- To improve their color and clarity, emeralds undergo oiling.
- Emeralds are filled with colorless oils.
- These further fill the fractures.



4 C s O F E M E R A L D

COLOR

Displays bluish green to pure green emerald.

CLARITY

Most prized emeralds are highly transparent.

CUT

Must consider the depth of color durability and inclusions when cutting.

CARAT WEIGHT

Comes in wide range of sizes.

A GLANCE AT HISTORY OF EMERALDS

Ancient Egypt

- The first recorded use dates to ancient Egypt.
- Mined near the Red Sea.

Ancient Rome

- Also prized emeralds.
- Emperor Nero watched gladiator fights through a pair of emerald lenses.

Spanish Conquest

- Spanish conquistadors encountered large deposits of emeralds in Colombia in 16th century.

Mughal Empire

- Famous Mughal emperor Shah Jahan had a throne made entirely of emeralds.

GEM LORE

**Said to Simulate heart
chakra.**

**Symbol of love, loyalty &
new beginnings.**

**Said to represents
peace, prosperity &
security.**

**Green Color invites
HAPPINESS & LUCK**

**Said to dispel negative
thoughts.**

**Said to be a stone of
wisdom.**

**Said to enhance intellect
& wisdom.**

BIRTHSTONES & ANNIVERSARIES

As the gem of spring, Emerald is the perfect choice as the birthstone for the Month of May.

Gem of the 12th and 35th wedding anniversaries.

**SOMETHING TO ADMIRE -----
HISTORICAL EMERALD PIECES**



ELIZABETH TAYLOR'S BULGARI EMERALD BROOCH

Richard Burton once said "the only word Elizabeth knew in Italian was 'Bulgari.'"

While filming Cleopatra, he bought her an emerald and diamond brooch from Bulgari as a wedding gift.

Worn at their 1964 wedding, it later sold at Christie's for \$6.13 million, making it the most expensive single-stone emerald jewel ever sold.



THE MOGUL MUGHAL EMERALD

This 217.80-carat Colombian emerald was sold to a figure in the Mughal Empire and intricately inscribed with a Shi'a prayer in Arabic, along with the date 1107 A.H. (1695 AD), during Emperor Aurangzeb's reign.

Its religious inscription suggests it belonged to a courtier, not the emperor himself, as the Mughal rulers were Sunni.

The emerald changed hands multiple times and was last sold at Christie's in 2001. It now resides in the Museum of Islamic Art in Doha, Qatar.





THE ROCKEFELLER EMERALD

In 1930, John D. Rockefeller Jr. bought a brooch—believed to be by Van Cleef & Arpels—for his wife, Abby.

Its centerpiece was a stunning 18.04-carat emerald.

After her passing, the emerald was reset into a ring for their son David. In 2017, it sold at Christie's for \$5.51 million, setting a record \$305,500 per carat, and was renamed the Rockefeller-Winston Emerald.



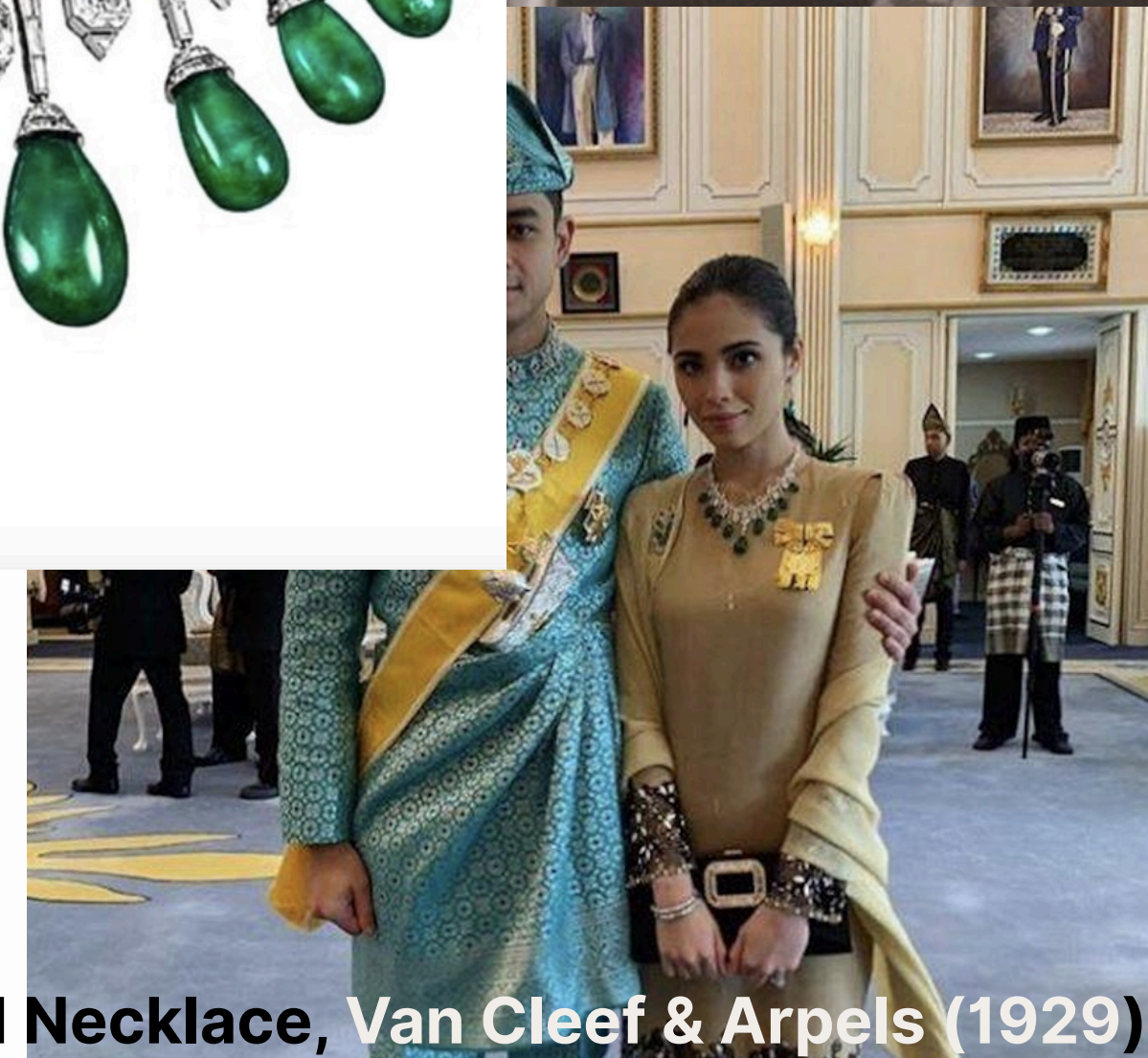
Lot 126
CHRISTIE'S
THE ROCKEFELLER EMERALD
An emerald and diamond ring,
by Raymond Yard
18.04 ct
Colombia, no clarity enhancement
Estimates: US\$ 4,000,000-6,000,000

PRINCESS FAIZA'S EMERALD & DIAMOND NECKLACE

Crafted in 1929, this platinum necklace features a striking fringe of nine drop-shaped Colombian emeralds, suspended from a chain of baguette and epaulet-cut diamonds with pavé-set scalloped links.

It includes a pendant clasp with an emerald drop and bears the French assay mark for platinum.

Originally made for royalty—housed in a case marked with the khedivial crown—the piece was later modified in 1937. Certified by Van Cleef & Arpels and SSEF, it remains a timeless example of Art Deco luxury.



Art Deco Emerald & Diamond Necklace, Van Cleef & Arpels (1929)

THE CHALK DIAMOND

The Chalk Emerald, a 37.8-carat gem of exceptional clarity and deep velvety green color, ranks among the finest Colombian emeralds—sourced from the famed Muzo and Chivor regions.

Once part of a Maharani's necklace in Baroda, India, it was later recut and set by Harry Winston into a platinum and gold ring, framed by 60 pear-shaped diamonds.

Donated to the Smithsonian in 1972 by Mr. and Mrs. O. Roy Chalk, it remains a highlight in the National Museum of Natural History.





TOP PRODUCTS TO EXPLORE

DON'T MISS THESE!! CHECK THEM OUT ON WEBSITE

PRODUCT CATALOG



SKU: 8162953
Zambian Emerald Ring Size 7
\$149.99



SKU: 4388126
Zambian Emerald pendant necklace 20"
\$249.99



SKU: 7626016
**Luxoro AAA Kagem Zambian Emerald
and Diamond 1.10 ctw Double Halo Ring**
\$639.99



SKU: 8098998
Certified & Appraised Zambian Emerald
Ring Size 7
\$2,349.99



SKU: 8104921
**Certified and Appraised AAAA Colombian
Emerald 5.00 ctw**
\$7,649.99

CHAIRMAN'S VAULT

COLLECTORS WORTH



SKU: 7769574
\$58,829.99



SKU: 7769549
\$30,889.99



SKU: 7769586
\$95,779.99



SKU: 7769599
\$114,259.99



SKU: 7779285
\$59,229.99



LET'S PLAY

YOUR CURIOSITY CALLED... IT WANTS A CHALLENGE!

1. What color is emerald most prized for?

- A) Light Green**
- B) Olive Green**
- C) Vivid Deep Green**
- D) Forest Brown**

2. Which country is the primary source of the world's finest emeralds?

- A) Brazil**
- B) Colombia**
- C) India**
- D) Afghanistan**

3. Emeralds belong to which gemstone family?

- A) Quartz**
- B) Beryl**
- C) Topaz**
- D) Corundum**

4. What is the typical hardness of emeralds on the Mohs scale?

- A) 6**
- B) 7**
- C) 7.5–8**
- D) 9**

5. What is a common treatment done to emeralds to reduce surface visibility of cracks?

- A) Bleaching**
- B) Oiling**
- C) Irradiation**
- D) Laser filling**



6. What does the green color of emeralds typically symbolize?

- A) Energy and Power**
- B) Growth and Renewal**
- C) Love and Commitment**
- D) Wealth and Fame**

7. What inclusions are commonly found in emeralds?

- A) Feathers**
- B) Needles**
- C) Jardin (garden-like inclusions)**
- D) Bubbles**

8. What makes Colombian emeralds unique compared to others?

- A) Price**
- B) Vivid green color and clarity**
- C) Size**
- D) Durability**

9. What is the name of the 217.80-carat historic emerald with Islamic inscription?

- A) Chalk Emerald**
- B) Mogul Mughal Emerald**
- C) Rockefeller Emerald**
- D) Star of India**

10. What iconic jeweler redesigned the Chalk Emerald into its current ring form?

- A) Cartier**
- B) Van Cleef & Arpels**
- C) Harry Winston**
- D) Graff**



What is Secure Shield?

- Covers all manufacturing defects.
- Simply add Secure Shield to your item at checkout.
- Provides worry-free protection for 2 years.

What is the fees of Secure Shield?

- Under \$50: **Not available**
- \$50 - \$100: **\$15**
- \$100 - \$500: **\$20**
- \$500 - \$2000: **\$65**
- \$2000-\$4000: **\$210**
- \$4000 above- **Not available**

Exclusions:

- Jewelry below \$50 and above \$4000.
- Stainless-Steel Jewelry
- Watches
- Loose Gemstones
- All Non-Jewelry products

How Does Secure Shield Work?

- Call 1-877-899-0078 or submit a repair request on our website.
- A pre-paid return label is included in the package or can be requested via email.
- We'll inspect, repair, and return your jewelry.
- If it can't be repaired, we'll replace it with an identical item.
- If not in stock, we'll issue a full refund, including any applicable taxes.

- Customers who have added Secure Shield to their purchase, will receive a separate email in addition to the order confirmation email.
- They will also get a T&C card in the package.



UNCOVER THE ANSWERS

CURIOSITY MEETS CLARITY – CHECK YOUR ANSWERS HERE!

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REFERENCE LINKS:

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