



EMERALD

SHOP LC
GEMSTONE WORKSHOPS
Explore More with Us!

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.

Source: Google Research



EMERALD: A GIFT FROM MOTHER EARTH

One of the only 4
precious gemstones on
the planet.

Also known as green
regime of highly
precious gem world.

Truly an heirloom
gemstone for centuries
now.

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**

BIRTHSTONES & ANNIVERSARIES

As the gem of spring, emerald is the perfect choice as the birthstone for the month of May.

Gem of the 12th & 35th wedding anniversaries.



DISCOVERY OF 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 inclusions” –it has great level of clarity.

Due to clarity, light reflects much better, enhancing their color & 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.

Source: Google Research



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.

NATURAL OR TREATED?

Emeralds are majorly 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.

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.

GEM FACTS

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

GEM LORE

Said to stimulate heart
chakra.

Said to symbol of love,
loyalty & new
beginnings.

Said to represents peace,
prosperity & security.

Said to stone of wisdom.



COLOMBIAN EMERALD



HOW DOES COLOMBIAN EMERALD COMPARE TO OTHER EMERALD STONES?

- 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.

ARE COLOMBIAN EMERALDS TREATED?

Emeralds are majorly oil treated.

By nature, they 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.

WHY HAVE WE PURCHASED FINISHED GEMS?

- Rough for Colombian Emerald is scarce.
- Not easily available with many vendors.
- Procured finished gems for the event.
- To offer best shape and color of emerald, it is usually locally cut in Colombia.
- Then re-cut in desired shapes after being purchased.



COLOMBIAN EMERALD IN FLASHBACK



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.

GEM FACTS

Ranks 7.5-8 on
Mohs Scale of
Hardness.

Official birthstone
for May.

Displays leafy
bluish green color.

Mined in
Colombia.

Undergoes oil
treatment.

Gift for 20th and
35th wedding
anniversary.



GEM LORE

Symbol of love,
loyalty, new
beginnings.

Represents peace,
prosperity, and
security.

Stone of wisdom.

Wearing it is said
to enhance
intellect and
wisdom.

Dispels negative
thoughts from
mind.

Green color invites
happiness and luck
in wearer's life.

Strengthens wearer's luck
and sails them through
tough times



ETHIOPIAN EMERALD



ETHIOPIAN EMERALD

A NEW STAR IS BORN

- 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 EMERALDS:

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.



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

WHERE IS IT MINED?

- Found at various locations around the world.
- Ethiopian Emeralds are from Sebo Boru District, Ethiopia.





ETHIOPIAN **EMERALD**

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.



ETHIOPIAN EMERALD MINES

4Cs of Emerald

COLOR

Displays bluish green to pure green emerald.

CUT

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

CLARITY

Most prized emeralds are highly transparent.

CARAT WEIGHT

Comes in wide range of sizes.

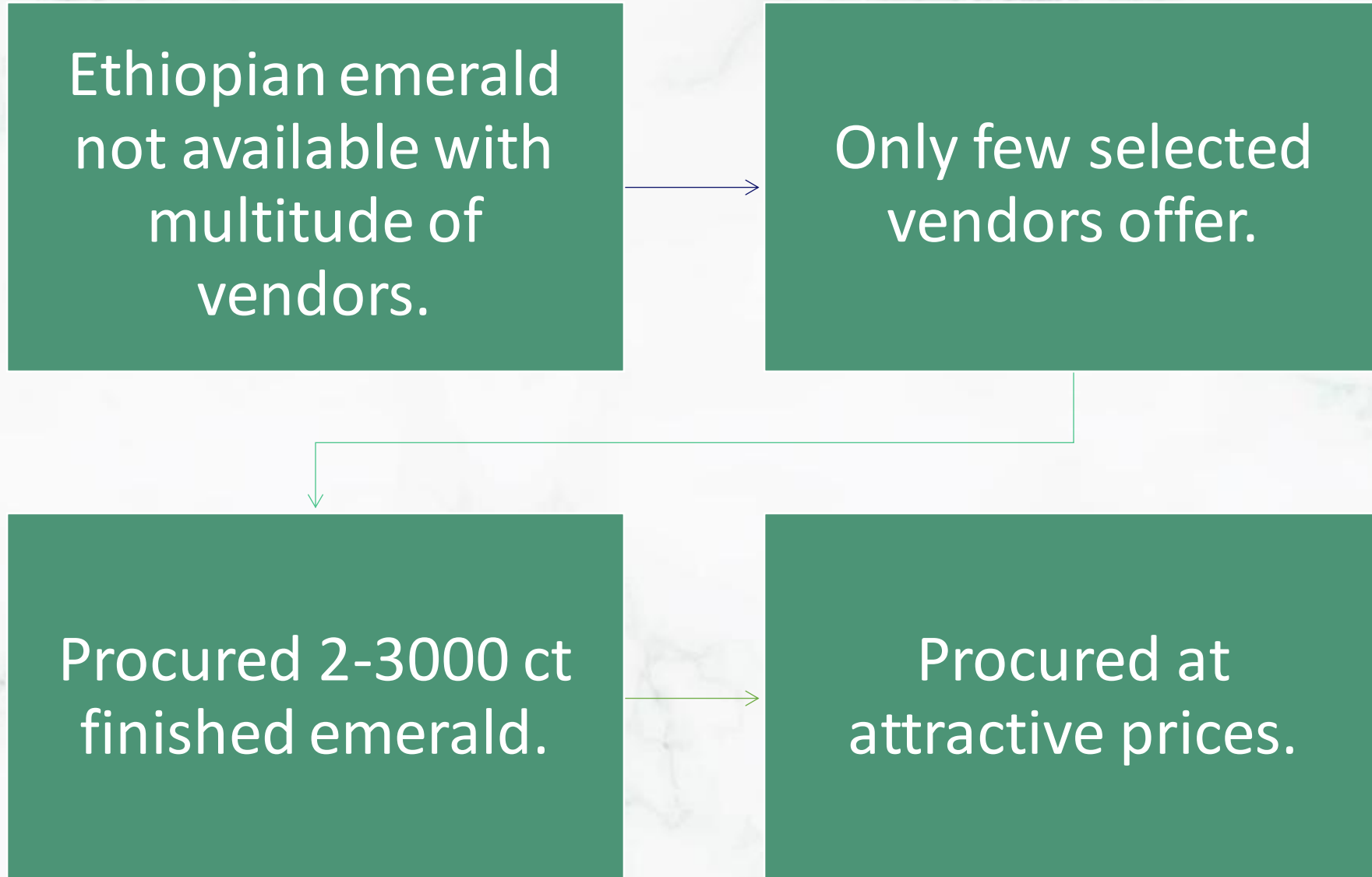
PROCUREMENT DETAILS

Ethiopian emerald
not available with
multitude of
vendors.

Only few selected
vendors offer.

Procured 2-3000 ct
finished emerald.

Procured at
attractive prices.



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.

1.



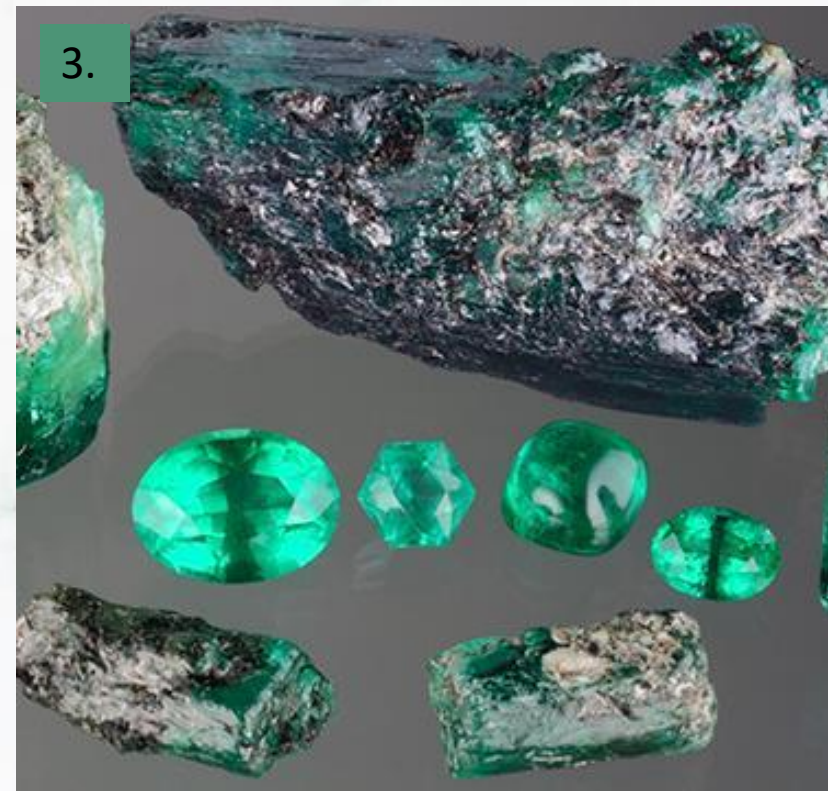
ETHIOPIAN EMERALD RARE SPECIMENS!

1. 408.08 ct Ethiopian Emerald at Smithsonian Museum.
2. 95 ct Ethiopian emerald.
3. Largest rough crystal: 63.12 g, largest faceted: 10.64 ct.

2.



3.



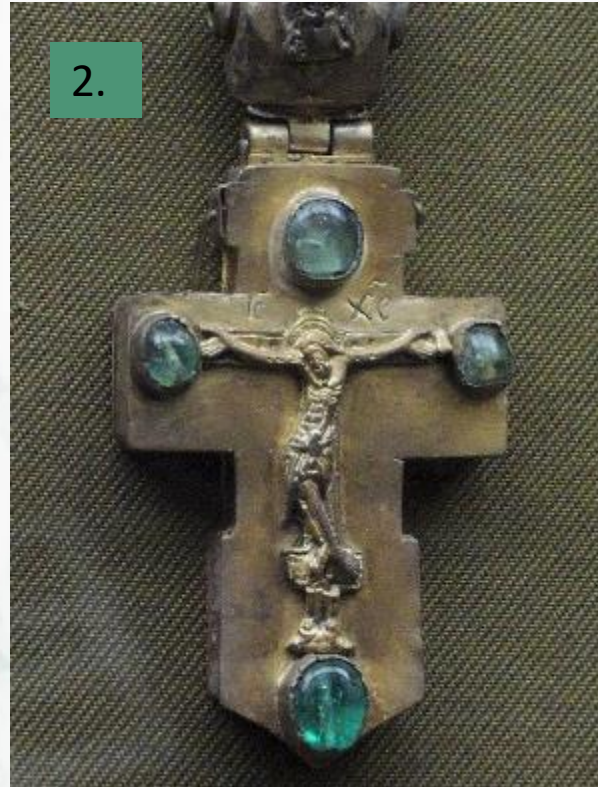
EMERALDS IN HISTORY

1. 330-300 BCE ancient Greek emerald ring from Hellenistic period.
2. Cross-reliquary, silver and emeralds, 16-17th centuries CE.
3. Miner on top of milky quartz block full of emeralds 43.75 cm tall.

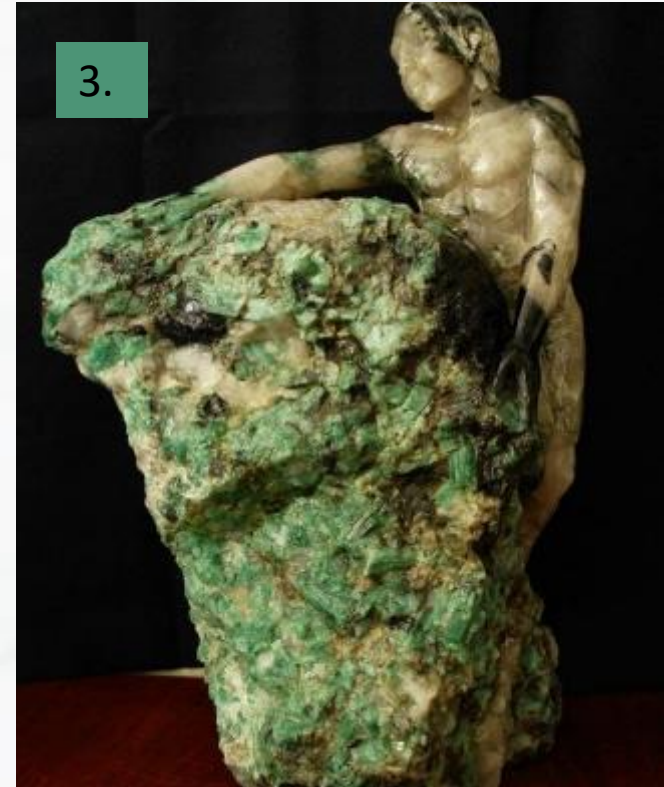
1.



2.



3.



GEM FACTS

- Ranks 7.5-8 on Mohs Scale of Hardness.
- Displays pleasant green color with bluish tinge.
- Mined near Shakiso Area, Ethiopia.
- Majorly Oil Treated.
- Birthstone of May.
- Gemstone for 20 & 35 wedding anniversaries.



GEM LORE

Said to stimulate heart chakra.

Symbol of love, loyalty & new beginnings.

Said to represent peace, prosperity & security.

Said to dispel negative thoughts.

Said to be a stone of wisdom.

Said to enhance intellect & wisdom.

Green color invites happiness and luck.

PRODUCT COLLECTION



Colombian Emerald Paper Clip Earrings

Item: 8932503 | **\$239.99**

5.0



Colombian Emerald Linking Bracelet

Item: 8942109 | **\$699.99**

5.0



Zambian Emerald Pendant Necklace

Item: 4136621 | **\$119.99**

4.5



Ethiopian Emerald and White Zircon

Item: 4140831 | **\$149.99**

5.0



Ethiopian Emerald Tennis Bracelet

Item: 7302048 | **\$639.99**

4.5



Zambian Emerald and Diamond Halo Ring

Item: 7485853 | **\$899.99**

5.0



THANK YOU