

ROBERT PROCOP
Exceptional Jewels

A TREASURE HUNT TO
THE EMERALD MINES

EMERALDS: THE ALLURE OF THE GREEN FIRE

“Representing youth, life and rebirth to the ancient Egyptians, valued for their curative and empowering properties as an aide to childbirth by the Romans, emeralds play a major role in the creation legends of several cultures. Their fascinating inclusions are typical for emeralds. They are known as ‘ardin’ and give each emerald its own unique personality.

The emerald is a member of the beryl family, its chemical composition being beryllium aluminium silicate. They grow in the form of hexagonal prisms. The emerald owes its green colour to traces of chromium and or vanadium found throughout the mineral. The higher the amount of chromium in an emerald, the more intense is its green colour.”

-The G belin Gem Lab

“The gardens of the emerald awaken the desire to wander at will, delighting eternally in the fantastic, constantly changing wealth of designs in their evergreen vaults.”

-Eduard Josef Gubelin

The treasure hunt for emeralds has given rise to only a few pockets around the globe in countries such as Afghanistan, Brazil, Colombia, Ethiopia, Russia, and Zambia. However, the finest emeralds are found in Colombia, Zambia, and now Ethiopia. The most exceptional of which, shown in this book, are a result of our journey through the richest mines in the world.

ZAMBIAN EMERALDS FROM THE MINES OF KAFUBU



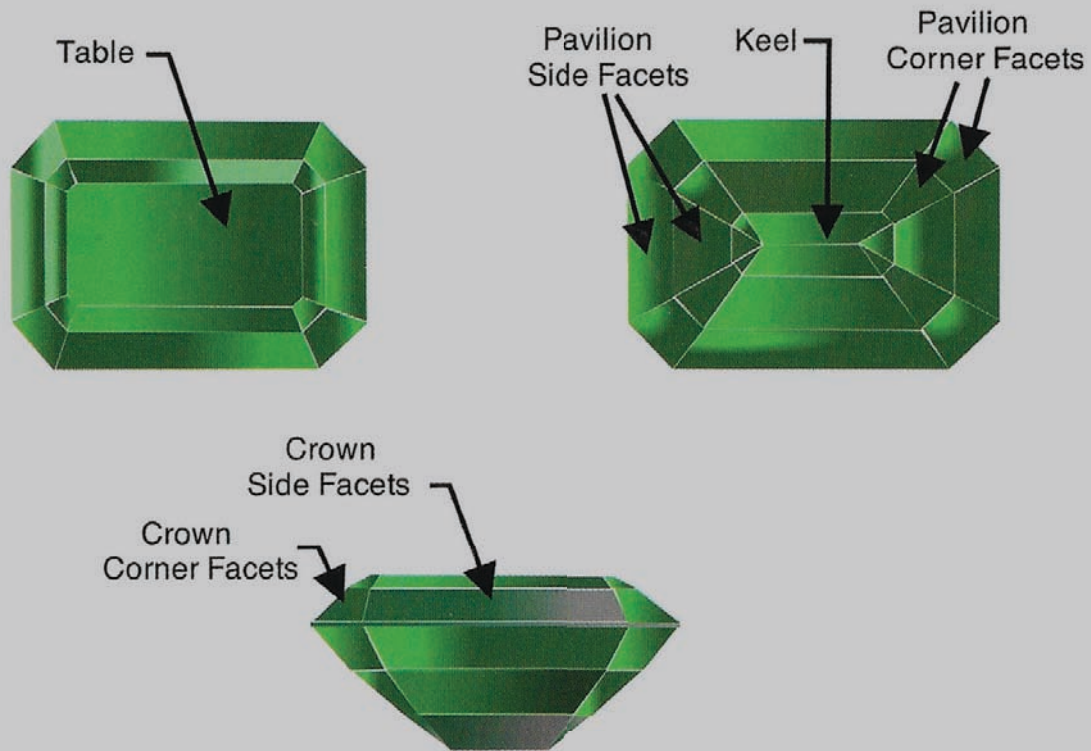
“Zambia is considered the world’s second most important source of emeralds by value after Colombia . Unlike Colombian emeralds, emeralds from Zambia are rich in iron and have higher refractive index and specific gravity. Emerald deposits in the Kafubu area occur within rocks of the Mesoproterozoic Muva Supergroup, composed of both metavolcanic and metasedimentary rocks.”

- Gemological Institute of America

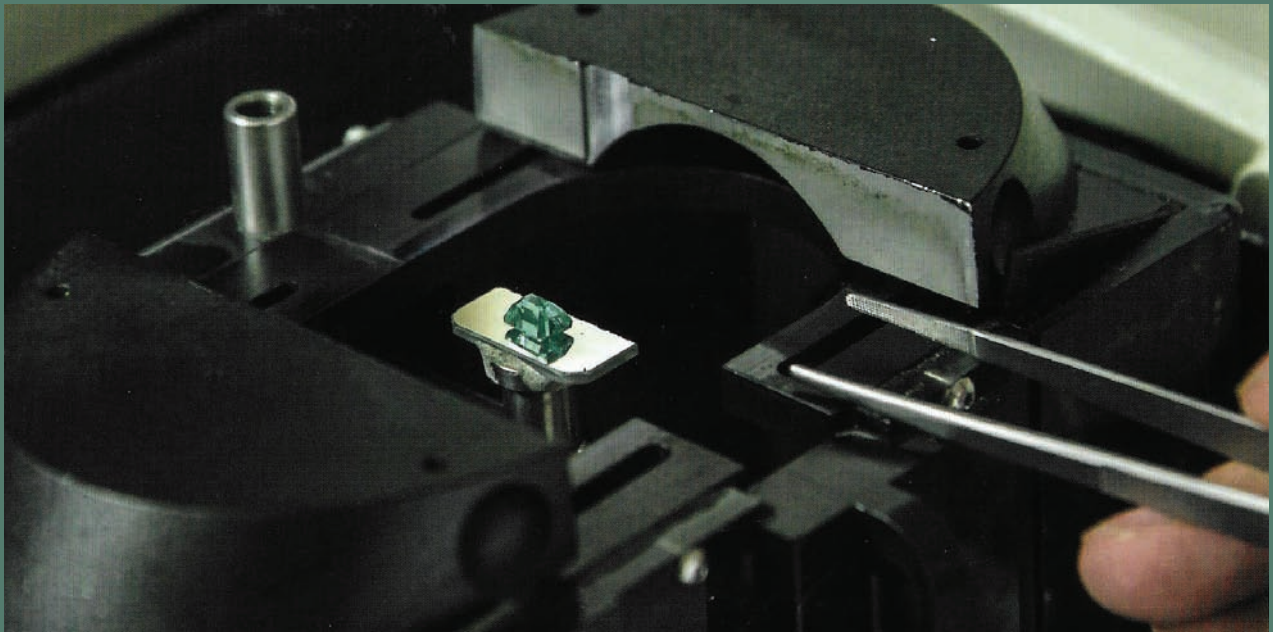
Zambian emeralds contain trace amounts of Iron Fe , which give them a wonderful clear glass-like appearance. Because of this, top quality emeralds from Zambia have gem-quality clarity and brilliance.

EMERALD FACETING & CUTTING

Standard emerald cut facet names



Emeralds form in longer hexagonal crystals. They are commonly faceted as rectangular step-cuts called the emerald-cut. This form of cutting takes advantage of the shape of the rough and preserves more weight.



ZAMBIAN FACETED EMERALDS



An Exceptional
4.21ct Emerald-Cut
Zambian Emerald

“The emerald-cut is a variation on the step-cut, which refers to any shape in which the facets are cut in a step-like fashion. In the 1500s, when Spain was bringing back rough emeralds from the New World, the original step-cuts had large table facets on the top as well as the bottom.”

-Ronald Ringsrud



GUBELIN



GEMMOLOGICAL REPORT

Report Number 20023074	Colour green
Date 14 February 2020	Species Natural beryl
Item One faceted gemstone	Variety Emerald
Weight 4.21 ct	Origin Zambia (Kafubu)
Shape octagonal	Condition Indications of minor clarity enhancement.
Cut step-cut	Comments Natural emeralds are commonly clarity enhanced.
Measurements 10.12 x 9.47 x 6.90 mm	Comments See Information Sheet(s).
Transparency transparent	Important notes and limitations on the reverse:

Annette Widemann-Wong
Annette Widemann-Wong

A. Spingardi
Alessandra Spingardi

Gubelin Gem Lab
1 corner, Hong Kong, New York
www.gubelinalgemlab.com

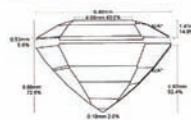
The Prestige Gemstone Report™

American Gemological Laboratories™



Images do not accurately portray size or color.

Accu-Wu™ Imaging:



Comments:

General Report Comments:

Document No: 8087090 -D	Validation Date: 23 February 2018
Identification	
Mineral Type: Natural Beryl	Color Description: Green
Variety: Emerald	
Carat Weight: 4.21 cts	Shape: Rectangular
Measurements: 10.13 x 9.49 x 6.89 mm	Cutting Style: Emerald Cut
Comments:	

Origin
Provenance: Zambia

Comments: It is the opinion of the Laboratory, based on the weight of evidence that the origin of this material would be classified as Zambia.



Enhancement		Additional: None
Standard: Clarity		
Degree: Minor		
Type: Traditional		
Stability Index: Very Good to Good		

Comments: Emeralds are commonly clarity enhanced to reduce the visibility of fissures. Traditional materials used to clarity enhance gemstones include various oils (such as Cedarwood oil) and waxes (Paraffin), as well as others.

1	2	3	4	5	6	7	8	9	10	None	Excellent	Very Good	Good	Fair	Poor	None	Excellent	Very Good	Good	Fair	Poor
Excellent	Very Good	Good	Fair	Poor						None	Excellent	Very Good	Good	Fair	Poor	None	Excellent	Very Good	Good	Fair	Poor

Enhancement Stability Index™

Degree of Clarity Enhancement & Relative Rarity

Christopher P. Smith
Christopher P. Smith, President



American Gemological Laboratories
580 Fifth Avenue • New York, NY 10036 • 212.704.0727 • Fax: 212.764.7614 • www.aglgemlab.com
Please see the back of this document for important disclosure and privacy. © 2018 AGL

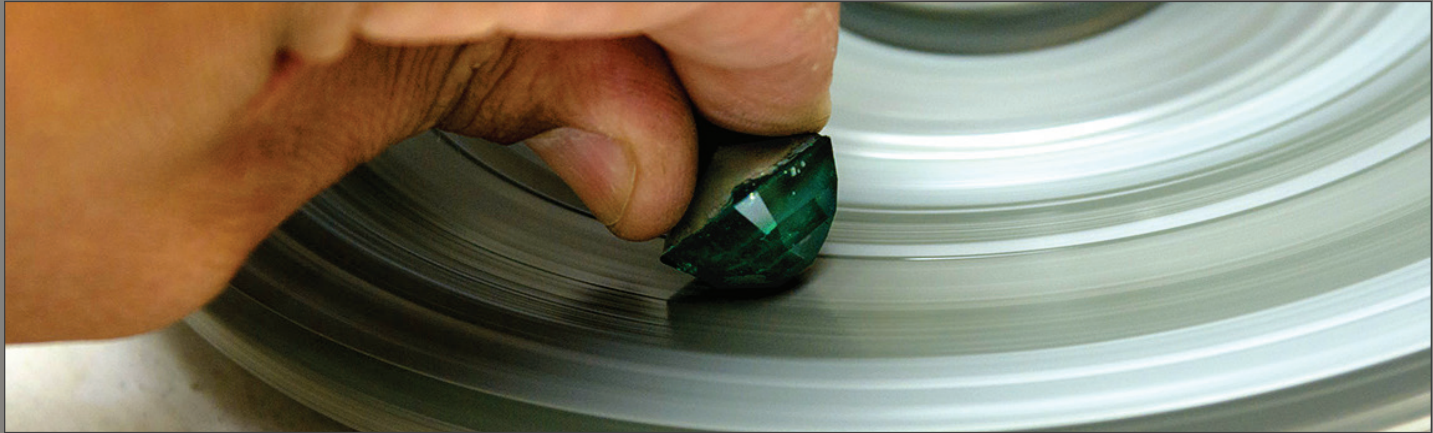
ZAMBIAN CARVED EMERALDS

A Unique Pair of Carved 12.93ct tw
Zambian Emeralds



“A cutter is a highly skilled artist who often understands the dynamics of color and transparency in rough emeralds.”

- Ronald Ringsrud



	
GEMSTONE REPORT EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE	
No.	GRS2019-039131
Date	3rd March 2019
Object	A pair of faceted and carved gemstones
Identification	2 Natural Emeralds
 	
Weight	6.49/6.44 ct
Dimensions	13.07 x 10.28 x 5.66/13.14 x 10.35 x 5.21 (mm)
Cut	carved/faceted
Shape	oval
Color	green
Comment	CE(O): Minor
<p style="font-size: small;">Diese Edelsteinbericht wird nur unter der Voraussetzung abgegeben, dass die wichtigsten Informationen auf der Rückseite als Vertragsbestandteil mit der GRS Gemresearch Swislab AG akzeptiert worden sind. Spezielle Beachtung ist der Handlung mit der Deklaration von Beobachtungen zu schenken.</p>	
<p style="text-align: center;">Origin</p> <p style="text-align: center;">Gemological testing revealed characteristics corresponding to those of 2 natural emeralds from:</p> <p style="text-align: center;">Zambia</p>	
	
<p style="font-size: x-small;">© GRS Gemresearch Swislab AG, P.O. Box 3628, 6002 Lucerne, SWITZERLAND</p>	
 2019-039131	 <small>Translation VerifiCode</small>
<p style="font-size: x-small;">Code Use See Help INTERNET www.gemresearch.com www.zenstones.it</p>	
<p style="font-size: x-small;">GRS Gemresearch Swislab Gemstone Reports are issued under condition that the information and limitation on the reverse side form an integral part of the relevant contract with GRS Gemresearch Swislab AG. Please note the regulations governing the declaration of gemstone treatment.</p>	


FROM THE KAFUBU MINE OF ZAMBIA
TO A CREATED TREASURE



A Stunning 34.39ct
Cabochon Zambian
Emerald

“When a transparent, facet-grade emerald rough is fashioned into a cabochon, the effect is alluring. The transparency allows the gem’s liveliness to show. As the stone is turned or moved, it draws one’s attention to the charming, lively color.”

-Ronald Ringsrud



GUBELIN



GEMMOLOGICAL REPORT

Report Number 20025134	Colour green
Date 20 February 2020	Species Natural beryl
Item One polished gemstone set in a ring	Variety Emerald
Weight 34.39 ct (as indicated by the client)	Origin Zambia (Kafubu)
Shape oval	Condition Indications of minor clarity enhancement. Natural emeralds are commonly clarity enhanced.
Cut cabochon	Comments See Information Sheet(s). <small>Impressor marks and limitations on the reverse.</small>
Measurements approx. 24.00 x 17.50 x 12.35 mm	
Transparency transparent	


Alessandra Spingardi



Annette Widemann-Wong



Gubelin Gem Lab
Luzern · Hong Kong · New York
www.gubelinalgemlab.com

Emerald
Emerald
Emerald

**RAPPORT DE PIERRE PRÉCIEUSE · EDELSTEINBERICHT
GEMSTONE REPORT**

 **C. DUNAIGRE**
Switzerland

No. Date	CDC 1407116 27 July 2014
Object description	One polished gemstone
Weight Dimensions	34.39 ct 23.45 x 17.05 x 12.36 mm
Colour Shape/style Transparency	Intense green Oval/cabochon Transparent
Identification <small>This gemstone shows gemological properties consistent with those of emeralds from:</small>	EMERALD (Natural Beryl) Zambia
Quality Grade Comments	Very good Indications of minor clarity enhancement.*

* Natural emeralds are commonly clarity enhanced.


C. Dunaigre Consulting GmbH
Christian Dunaigre AG, DUG

IDENTIFICATION · IDENTIFIKATION · IDENTIFICATION

This Gemstone Identification Report is a professional and independent opinion based on the gemological properties of the gemstone at the time of the examination. The issuer's role is an integral part of the Report and contains important information and limitations.

C. Dunaigre Consulting GmbH Industriestrasse 4 | D-40044 Lünen, Switzerland
cdc consulting@dunaigre.com



A Beautiful Pair of 5.92ct tw Zambian
Emerald Earrings



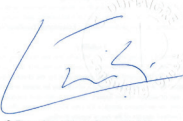
Rapport de Pierre Précieuse - Edelsteinbericht GEMSTONE REPORT		
No. Date Object description ** Weight Dimensions Colour Shape/style Transparency Quality Grade Identification <small>These gemstones show geological properties consistent with those of emeralds from:</small> Comments	CDC 1506201/1&2 01 July 2015 Two faceted gemstones 1) 2.98 ct 2) 2.94 ct 1) 11.68 x 6.94 x 4.49 mm 2) 11.76 x 7.03 x 4.61 mm Vivid green Octagonal/step cut Transparent Very good EMERALDS (Natural Beryl) Zambia Indications of insignificant clarity enhancement.*	  C. Dunaigre Consulting GmbH Christian Dunaigre AG, DUG
<small>* Natural emeralds are commonly clarity enhanced. ** These two emeralds form a well matching pair.</small>		IDENTIFICATION - IDENTIFIKATION - IDENTIFICATION <small>This Gemstone Identification Report is a professional and independent opinion based on the geological properties of the gemstone at the time of the examination. The reverse side is an integral part of the Report and contains important information and limitation.</small>
<small>C. Dunaigre Consulting GmbH Eisenstrasse 4 CH - 6004 Luzern / Switzerland cdconsulting@dunaigre.com</small>		

C. Dunaigre Consulting certifies these two emeralds as well matched, vivid green, and of very good quality.

The GemResearch SwissLab and the C. Dunaigre Consulting certifies this stone as vivid green and of very good quality.

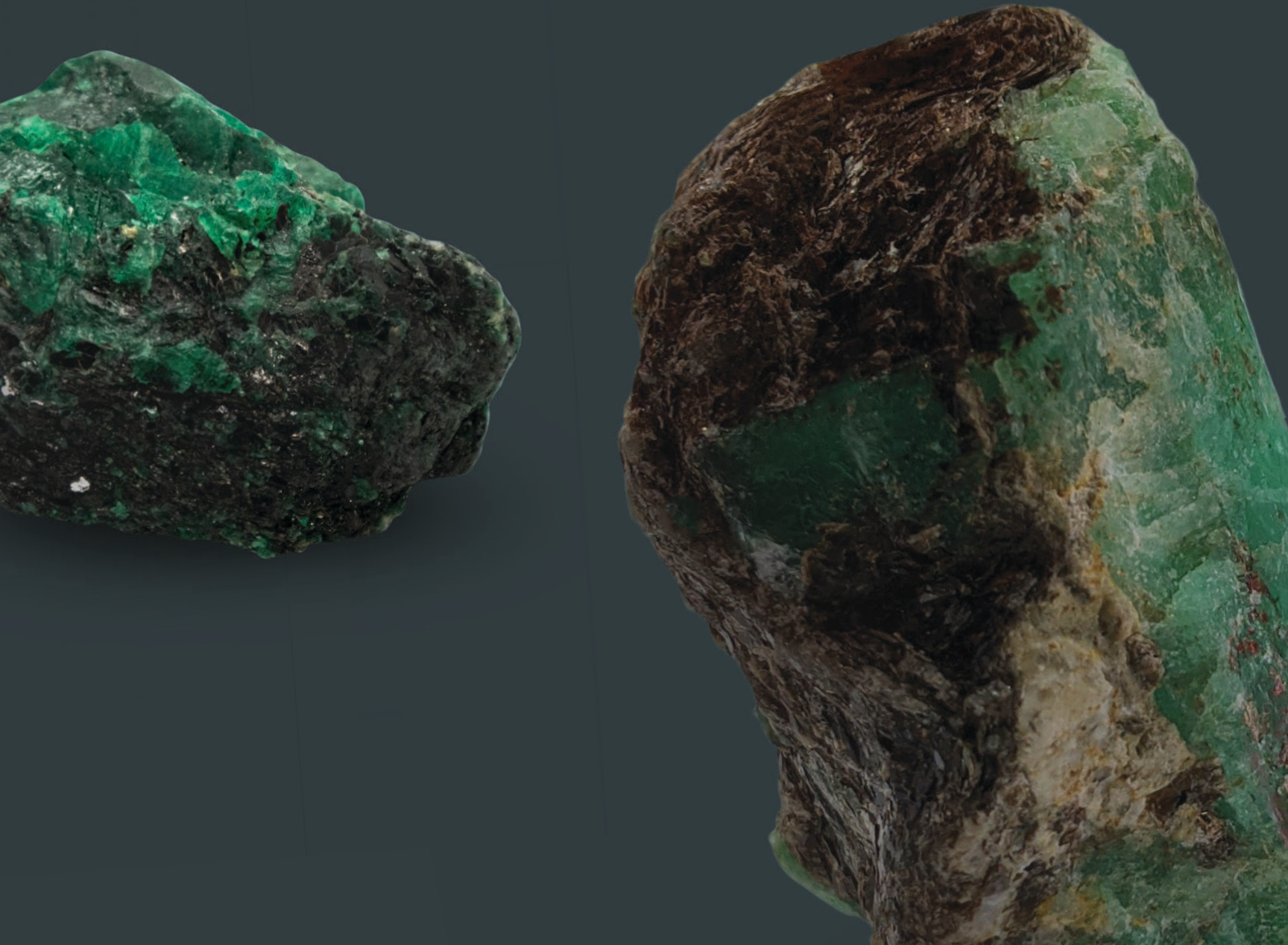


A Rare No-Oil 10.20ct
Zambian Emerald

Emeraude Smaragd Emerald		DZU_1805G12	1	10.20
RAPPORT DE PIERRE PRÉCIEUSE · EDELSTEINBERICHT GEMSTONE REPORT				
				
No.	CDC 1801322			
Date	18 January 2018			
Object description	One faceted gemstone			
Weight	10.20 ct			
Dimensions	14.53 x 13.28 x 7.27 mm			
Colour	Vivid green			
Shape/style	Cushion-shape/mixed cut			
Transparency	Transparent			
Quality Grade	Very good			
Identification	EMERALD (Natural Beryl)			
This gemstone shows gemological properties consistent with those of emeralds from:				
	Zambia			
Comments	No indications of clarity enhancement.			
  C. Dunaigre Consulting GmbH Christian Dunaigre AG, DUG				
IDENTIFICATION · IDENTIFIKATION · IDENTIFICATION				
<small>This Gemstone Identification Report is a professional and independent opinion based on the gemological properties of the gemstone at the time of the examination. The reverse side is an integral part of the Report and contains important information and limitation.</small>				
<small>C. Dunaigre Consulting GmbH Baugasse 17 CH-6003 Luzern/Switzerland cdcons@ingelcunaigre.com</small>				

			
GEMSTONE REPORT			
EDELSTEINBERICHT			
RAPPORT DE PIERRE PRÉCIEUSE			
No.	GRS2018-038219		
Date	3rd March 2018		
Object	One faceted gemstone		
Identification	Natural Emerald		
			
Weight	10.20 ct		
Dimensions	14.53 x 13.28 x 7.27 (mm)		
Cut	brilliant/step (5)		
Shape	cushion		
Color	green		
Comment	CE(O): None		
<small>Dieser Edelsteinbericht wird nur unter der Voraussetzung abgegeben, dass die wichtigsten Informationen auf der Rückseite als Vertragsbestandteil mit der GRS Gemresearch Swisslab AG akzeptiert worden sind. Spezielle Beachtung ist der Handhabung mit der Deklaration von Behandlungen zu schenken.</small>			
		Origin Gemmological testing revealed characteristics corresponding to those of a natural emerald from: Zambia	
		  © GRS Gemresearch Swisslab AG, P.O. Box 3628, 6002 Lucerne, SWITZERLAND	
		Translation Code Use See Help INTERNET www.gemresearch.com www.livestoreports.net	
		 2018-038219 	
<small>GRS Gemresearch Swisslab Gemstone Reports are issued under condition that the information and limitation on the reverse side form an integral part of the relevant contract with GRS Gemresearch Swisslab AG. Please note the regulations governing the declaration of gemstone treatments.</small>			

ETHIOPIAN EMERALDS
FROM THE MINES OF HALO-SHAKISO



“The top-quality stones from Ethiopia are grass green or green with a hint of a blue hue, and have no need for oil enhancement. Even more exciting is the saturation of these stones. These bright, saturated greens are comparable to stones from the Colombian mines. Some dealers describe the color as ‘glowing’ or having a ‘neon’ quality and compare it to paraíba tourmaline in this regard.”

-The International Gem Society



HALO-SHAKISO EMERALD MINE SITE IN ETHIOPIA



SORTING & GRADING ETHIOPIAN EMERALDS



“After the rough has been sorted, it makes its way first through Shakiso before being sold to dealers in the capital city of Addis Ababa, about a 1 -hour drive from the mining area. According to Teweldebran Abay, the mineral marketing director of the Ministry of Mines, Petroleum and Natural Gas, more than 100 kilograms of emerald rough have been produced to date.”

- Gemological Institute of America



ETHIOPIAN EMERALD ROUGH TO FACET



The Green Princess from Ethiopia (Photo courtesy of Primagem)



This is an example of a rough Ethiopian emerald that has been faceted and polished.


ETHIOPIAN FACETED EMERALDS



An Exceptional
11.30ct No-Oil
Ethiopian Emerald
(As seen on the previous page)




The newly discovered Ethiopian emerald mine is home to some of the world's most spectacular treasures. This location has produced some of the brightest, electric-green emeralds on the planet. Ethiopian emeralds contain high levels of chromium, creating a color and overall quality comparable to the finest Colombian emeralds found over the past 500 years. This 11.30ct Ethiopian emerald is one of the most exceptional gems ever discovered. It has been identified by two of the most reputable gem laboratories as completely natural.

GÜBELIN



GEMMOLOGICAL REPORT

Report Number 17117103	Colour green
Date 12 December 2017	Species Natural beryl
Item One faceted gemstone	Variety Emerald
Weight 11.30 ct	Origin Ethiopia
Shape cushion-shape	Condition No indications of clarity enhancement.
Cut modified brilliant cut	Comments See Appendix, See Information Sheet(s).
Measurements 14.00 x 12.74 x 10.16 mm	<small>Important notes and limitations on the reverse.</small>
Transparency transparent	

Hpone-Phyo Kan-Nyunt Dr. Lore Kiefert

SSEF 

SO-ANALYTISCHES GEMMALOGISCHES INSTITUT
SWISS GEMMOLOGICAL INSTITUTE
INSTITUT SUISSE DE GEMMOLOGIE


magnification 1.2x

Gemstone Report No. 97163

Weight:	11.298 ct
Shape & cut:	cushion, brilliant / fancy cut
Measurements:	14.00 x 12.74 x 10.16 mm
Colour:	green of medium strong saturation
Identification:	EMERALD (variety of natural beryl)
Comments:	The analysed properties confirm the authenticity of this transparent emerald. No indications of clarity modification in fissures at the time of testing. Origin: Ethiopia

Important Note: The conclusions on the Gemstone Report reflect our findings at the time it is issued. A gemstone could be modified and/or enhanced at any time. Therefore, the GSI will not be responsible for claims in accordance with the Gemstone Report. Only the report with the valid original signature, embossed stamp and Proof Tag™ have effect on or to the surface of the gemstone report as a valid document. PDF reports and copies of a Gemstone Report are not legally binding. See terms and conditions on reverse side and www.ssef.ch/terms-conditions. © The Gemstone Report is copyright of SSI.

SWISS GEMMOLOGICAL INSTITUTE - SSEF

Basel, 16 January 2018 tg




S. Hänel, MSc, FGA Dr. W. Zhou, FGA

Report authentication by QR code: www.ssef.ch






ETHIOPIAN CARVED EMERALDS



A Perfectly Matched Pair of Ethiopian
Carved Cabochon Emeralds

“Persian artisans in the Seventeenth Century developed the art of carving gemstones in order to elevate even more of the gems they considered exalted and auspicious.”

-Ronald Ringsrud

	
GEMSTONE REPORT	
EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE	
No.	GRS2019-039130
Date	3rd March 2019
Object	A pair of carved gemstones
Identification	2 Natural Emeralds
	
	
Weight	6.02/5.84 ct
Dimensions	12.32 x 10.10 x 7.24/12.31 x 10.11 x 7.02 (mm)
Cut	cabochon/carved
Shape	oval
Color	vivid green
Comment	CE(O): Minor
Origin Gemological testing revealed characteristics corresponding to those of 2 natural emeralds from: Ethiopia	
 Dr. A. Peretti FGG FGA GRS GEMRESEARCH SWISSLAB European Geologist	
© GRS Gemresearch Swisslab AG, P.O. Box 3628, 4002 Lucerne, SWITZERLAND	
 2019-039130	 Translation Code Use See Help INTERNET www.gemresearch.com www.zalamparts.net
<small>Dieser Edelsteinbericht wird nur unter der Voraussetzung abgegeben, dass die wichtigsten Informationen auf der Rückseite als Vertragsbestandteil mit der GRS Gemresearch Swisslab AG akzeptiert worden sind. Sämtliche Besichtigungen sind der Handhabung mit der Deklaration von Befähigten zu schenken.</small>	
<small>GRS Gemresearch Swisslab Gemstone Reports are issued under condition that the information and limitation on the reverse side form an integral part of the relevant contract with GRS Gemresearch Swisslab AG. Please note the regulations governing the declaration of gemstone treatments.</small>	


FROM THE
HALO-SHAKISO
MINE OF
ETHIOPIA
TO A CREATED
TREASURE

A Beautiful
Green 7.10ct Shield
Emerald Pendant



This Ethiopian emerald is a unique and rare combination of shape, color, clarity, and brilliance.

Verify this report at gia.edu



GIA GEMMOLOGICAL REPORT

EMERALD ORIGIN REPORT

GIA REPORT 5181469793

June 22, 2017

DETAILS

Shape.....Modified Shield Mixed Cut

Transparency.....Transparent

Color.....Green

RESULTS

Species.....Natural Beryl

Variety.....Emerald

Geographic Origin.....Ethiopia

TREATMENT (Scan QR code for more information)

Clarity Enhanced (F1)

Item Description: One loose stone

Weight: 7.10 carats

Measurements: 13.16 x 11.50 x 7.28 mm

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

ENHANCEMENT METHOD	SUBSTITUTION BY CLARITY ENHANCEMENT		
	F1	F2	F3
NONE			




Image is approximate

To learn more about how GIA determines and classifies gemstone origin, as well as maps describing localities, 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 of value. For additional information and important limitations and disclosures, please see www.gia.edu/origin on July 21, 2016 11:53 AM -1,742,483,454 02/15 Gemological Institute of America, Inc.




reportcheck.gia.edu

THE SECURITY FEATURES IN THIS DOCUMENT, INCLUDING THE FOLLOWING QR CODE AND MICROTYPING, ARE SUBJECT TO OURS, NOT YOURS, EXCESS DOCUMENT SECURITY INSURANCE POLICY.

FAKESMILE is a digital signature and verification technology that provides a secure and tamper-evident way to verify the authenticity of your report.





GEMMOLOGICAL REPORT

Report Number
17082003

Date
7 August 2017

Item
One faceted gemstone

Weight
7.10 ct

Shape
modified trapeze

Cut
brilliant cut / step cut

Measurements
13.11 x 11.48 x 7.27 mm

Transparency
transparent

Colour
green

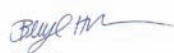
Species
Natural beryl


Variety
Emerald


Origin
Ethiopia

Condition
Indications of minor clarity enhancement. Natural emeralds are commonly clarity enhanced.

Important notes and limitations on the reverse.


Beryl Huber

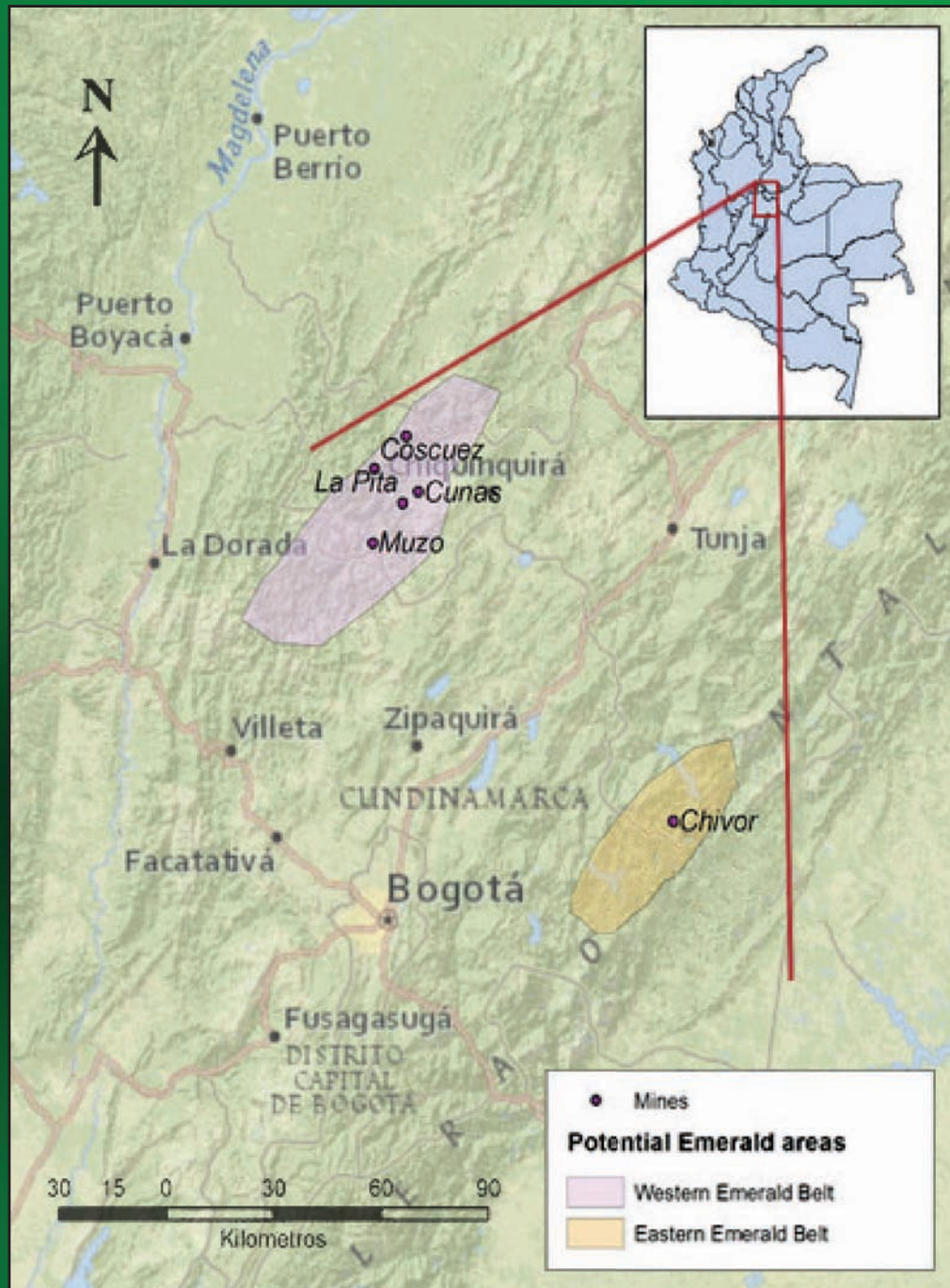

Alessandra Spingardi



COLOMBIAN EMERALDS

The amount of chromium and vanadium in Colombian emeralds determines the intensity of its green color. The perfect emerald green color in stones coming from the Muzo mining area has given rise to the term “Muzo Green.” This describes the color of any Colombian emerald with slightly bluish-green hues. The GemResearch SwissLab uses the term “Muzo Green” in the same context. The exotic emerald mines of the Western mining belt in Colombia - Cunas, Coscuez, La Pita, and Muzo - all deliver a world-class beautiful green color that is the standard by which emeralds from all sources are compared.

In the Eastern Emerald Belt, two hundred kilometers away, is the exotic mine of Chivor. Emeralds from this area are generally cut from longer, more slightly bluish-green crystals and have a remarkable brilliance and purity. The unique geology of Colombia gives rise to the most exceptional emeralds in the world.



EMERALD FORMATION IN CALCITE VEINS



Robert pointing at the calcite in the Colombian Muzo mine.

“For the most part, the emerald crystals are found with the calcite along these fractures in the shale and limestone. The shale and limestone are often discolored, with a yellowish-gray appearance, in the area of the mineralized calcite veins. The emerald crystals usually occur attached to the wall of the fracture and are surrounded by calcite, or they may be embedded within the calcite itself. Field observations indicate that the best-quality emeralds seem to be found in the narrower veins.”

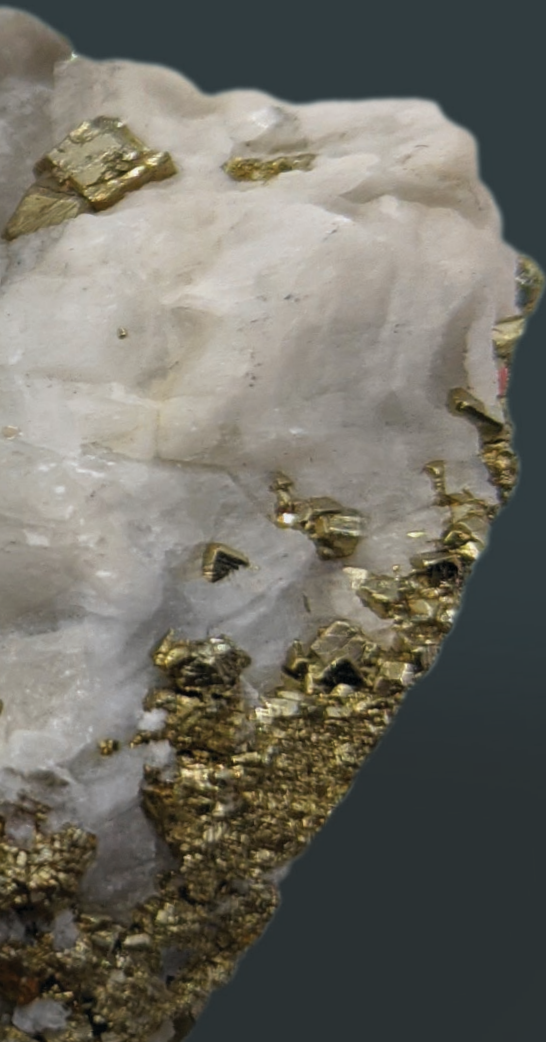
- Gemological Institute of America

COLOMBIAN EMERALDS FROM THE MINES OF CHIVOR



“Miners in Colombia have unearthed the world’s most sought after and valuable of the green gemstones. The characteristic rich greens unique to a Colombian emerald are historically appreciated more than any other locality on Earth.”

- Gemological Institute of America

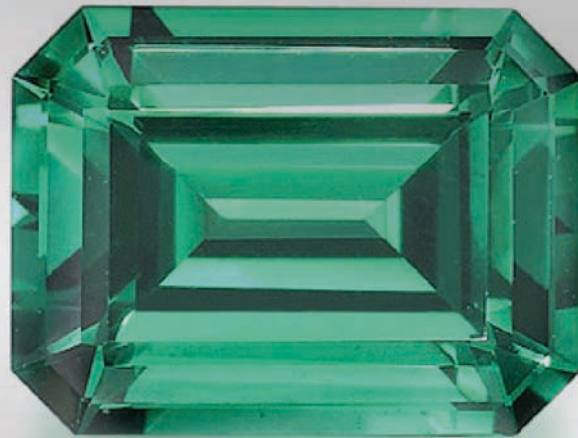


Chivor emeralds are famous for their bluish undertones, high clarity, and lighter saturation.

CHIVOR ROUGH EMERALDS



CHIVOR FACETED EMERALDS



“When grading an emerald, the overall cutting of the gem is summed up by estimating the areas of brilliance, windowing, and extinction. The three percentages added together should equal one hundred percent.”

- Ronald Ringsrud



FROM THE CHIVOR MINE
OF COLOMBIA
TO A CREATED TREASURE



A 12.96ct No-Oil
Emerald-Cut Emerald

GEMSTONE REPORT

EDELSTEINBERICHT
RAPPORT DE PIERRE PRÉCIEUSE

No. GRS2019-010361
Date 4th January 2019
Object One faceted gemstone
Identification Natural Emerald



Weight 12.96 ct
Dimensions 16.52 x 11.09 x 9.26 (mm)
Cut step (4)
Shape octagonal
Color pastel green
Comment CE(O): None

Origin

Gemmological testing revealed characteristics corresponding to those of a natural emerald from:

Colombia

Dr. A. Peretti FGG FGA
GRS GEMRESEARCH
SWISSLAB® European Geologist
© GRS Gemresearch Swisslab AG, P.O. Box 3628, 6002 Lucerne, SWITZERLAND



2019-010361



Translation
EN/FR/DE/IT

Code Use
See Help
INTERNE
www.gemresearch.ch
www.swisslab.ch

Dieser Edelsteinbericht wird nur unter der Voraussetzung abgegeben, dass die wichtigsten Informationen auf der Rückseite als Vertragsbestandteil mit der GRS Gemresearch Swisslab AG akzeptiert werden sind. Spezielle Beachtung ist der Handhabung mit der Deklaration von Behauptungen zu schenken.

GRS Gemresearch Swisslab Gemstone Reports are issued under condition that the information and findings of the reverse side form an integral part of the relevant contract with GRS Gemresearch Swisslab AG. Please note the regulations governing the declaration of gemstone treatment.

ICA | GemLab
ORIGIN REPORT

Report Details

No. 24011901129002
Date 24th January 2019
Item One faceted gemstone
Weight 12.96 ct
Dimensions 16.50 x 11.04 x 9.25 (mm)
Cut Step/Step
Shape Octagonal
Color Green

Identification

Species Natural Beryl
Variety Emerald
Comment No indications of clarity enhancement

Advanced Instruments

Microscope FTIR EDXRF
 UV/VIS/NIR Raman LA-ICP-MS

The Terms and Conditions of this report can be found on the reverse of this print.
This report has been made in accordance with these Terms and Conditions.



Scale 1:1

Following gemmological testing, the characteristics of this gemstone were found to be consistent with those of natural emeralds from

Colombia



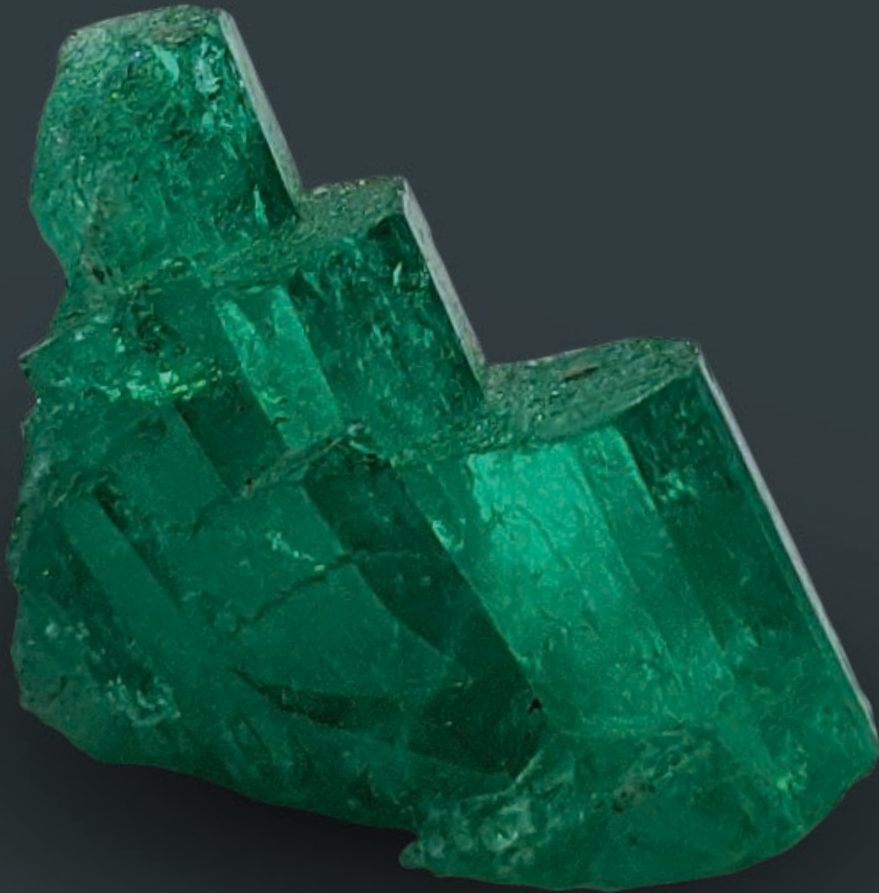
ICA | GemLab

Diethmar Schwarze
DR. DIETHMAR SCHWARZE
Chief Gemologist

Yenruede Lhocnsoomboon
YENRUDEE LHOCNSOONBOON
Senior Gemologist



COLOMBIAN EMERALDS FROM THE MINES OF MUZO



Muzo emeralds have a distinguishable intense green color, with a yellow undertone. They are known for their deep saturation of color.



“Muzo emeralds meet indisputable quality criteria such as color, purity, and weight. In their rough, they can weigh up to ,500 carats or more. Most importantly though, the Muzo emerald has a soul, a unique dimension, and a secret alchemy that sparkles with life. The emerald awakens the senses, arouses passion, and sets hearts racing.”

-MUZO Company

MUZO FACETED EMERALDS

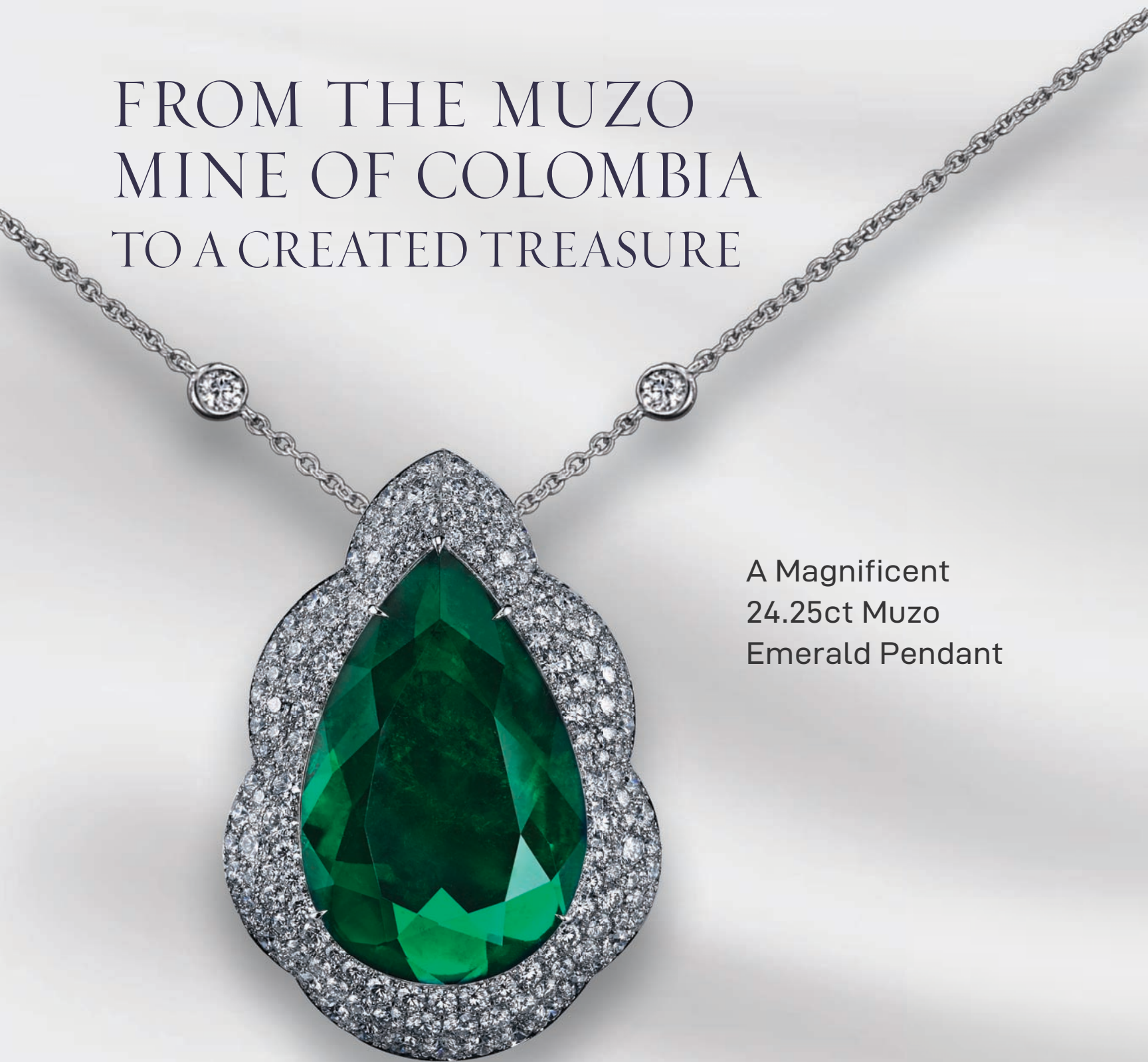


A Unique 6.90ct
Muzo Emerald

“A Muzo emerald is characterized by the nearly perfect hexagonal geometry of the rough stone, its dimensions, color, a powerful and intense green, illuminated by a ray of yellow. Thanks to its cut, the multitude of facets sculpted by a gem cutter, the gemstone reveals a dazzling radiance that captivates the gaze, shimmering and flickering from within a never-ending dance of light.”

-MUZO Company

FROM THE MUZO
MINE OF COLOMBIA
TO A CREATED TREASURE



A Magnificent
24.25ct Muzo
Emerald Pendant

			
GEMSTONE REPORT EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE			
No.	GRS2007-103140	Origin	
Date	31st October 2007	Gemological testing revealed characteristics corresponding to those of a natural emerald from:	
Object	One faceted gemstone		
Identification	Natural Emerald		Colombia
			
Weight	24.45 ct	 Dr. A. Peretti FGG FGA  European Geologist	
Dimensions	30.82 x 19.06 x 7.68 (mm)	© GRS Gemresearch Swisslab AG, P.O. Box 4028, 6002 Lucerne, SWITZERLAND	
Cut	brilliant/faceted		
Shape	pear		
Color	green		
Comment	CE(O): Insignificant		
<small>Dieser Edelsteinbericht wird nur unter der Voraussetzung abgegeben, dass die wichtigsten Informationen auf der Rückseite als Vertragsbestandteil mit der GRS Gemresearch Swisslab AG akzeptiert worden sind. Spezielle Beachtung ist der Handhabung mit der Deklaration von Behandlungen zu schenken.</small>		<small>GRS Gemresearch Swisslab Gemstone Reports are issued under condition that the information and inscription on the reverse side form an integral part of the relevant contract with GRS Gemresearch Swisslab AG. Please note the regulations governing the declaration of gemstone treatments.</small>	
		 2007-103140	
		INTERNET www.gemresearch.ch www.swissgpa.com	

“The Colombian gem-cutters in the Bogotá workshops have an eye for assessing rough emeralds. They observe the crystals in minute detail to map all its characteristics and plot exactly where the stone will be carved, noting the distribution of color and the presence of inclusions.”

-MUZO Company



A 15.54ct Cushion Vivid Green
Muzo Emerald Ring

“Each Muzo emerald is crafted by the gem cutters to highlight its unique personality. It’s facets are skillfully sculpted by the Muzo master gem cutters to accentuate depth of color and purity of the emeralds.”

-MUZO Company

	
GEMSTONE REPORT	
EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE	
No.	GRS2016-022861
Date	10th March 2016
Object	One faceted gemstone
Identification	Natural Emerald
Origin	
Gemological testing revealed characteristics corresponding to those of a natural emerald from:	
Colombia	
	
	
Weight	15.54 et
Dimensions	15.73 x 15.04 x 10.17 (mm)
Cut	brilliant/faceted
Shape	cushion
Color	vivid green *
Comment	CE(O): Minor
	* Special comment see appendix
	
Dr. A. Peretti FGG FGA GRS GEMRESEARCH SWISSLAB European Geologist	
© GRS Gemresearch Swisslab AG, P.O. Box 3628, 6002 Lucerne, SWITZERLAND	
Translation	
Order Use See Help INTERNET www.gemresearch.com www.swissgems.ch	
	
2016-022861	
	
<small>GRS Gemresearch Swisslab Gemstone Reports are issued under condition that the information and limitation on the reverse side form an integral part of the relevant contract with GRS Gemresearch Swisslab AG. Please note the regulations governing the declaration of gemstone treatment.</small>	

COLOMBIAN EMERALDS
FROM THE MINES OF CUNAS



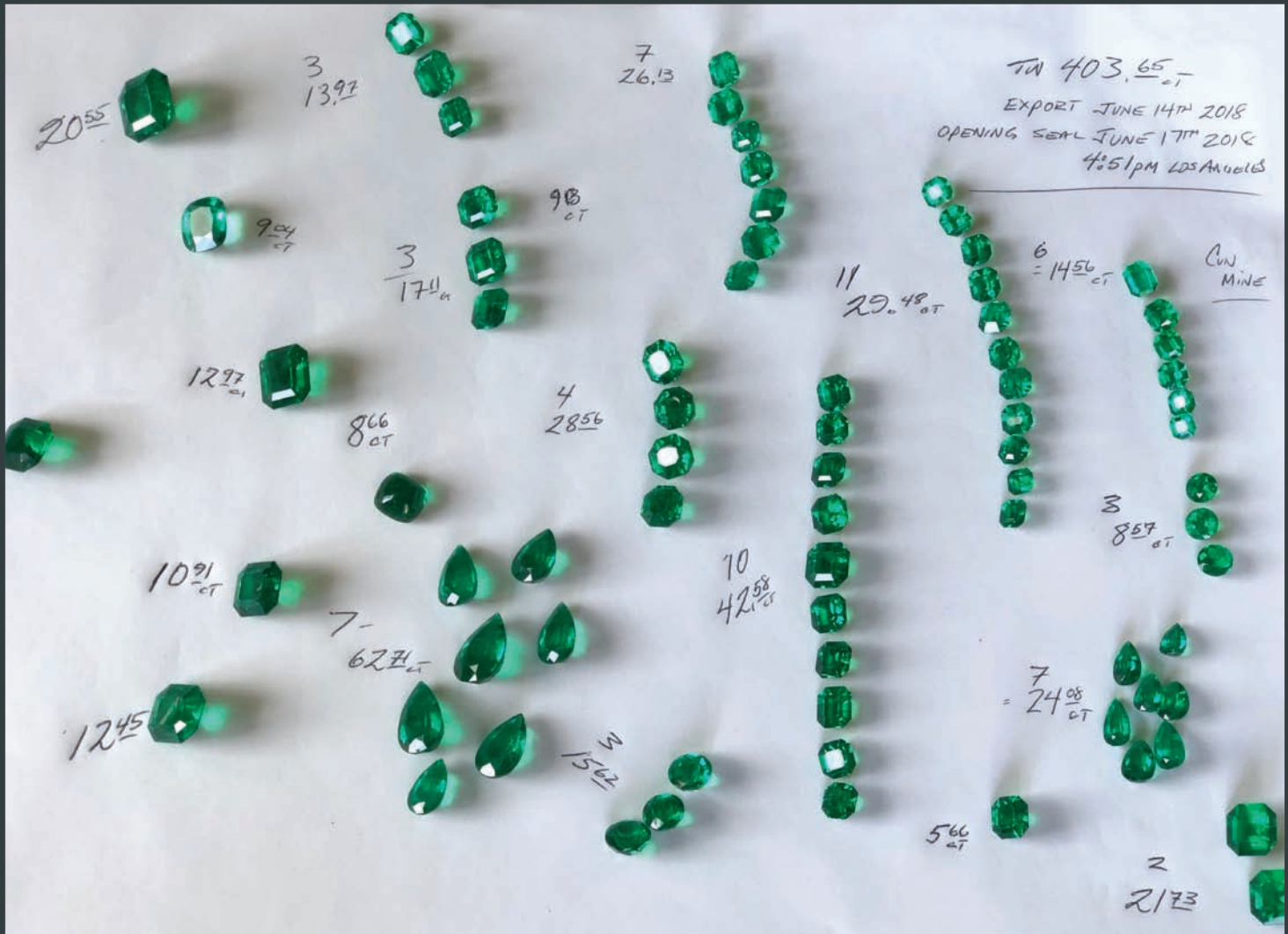
“In the western mountains of Boyaca, Colombia, through a process that has taken millions of years, nature has created a masterpiece in the mines of Cunas. There, the ‘Magnificent Green’ emeralds, the most beautiful stones of the country are born.

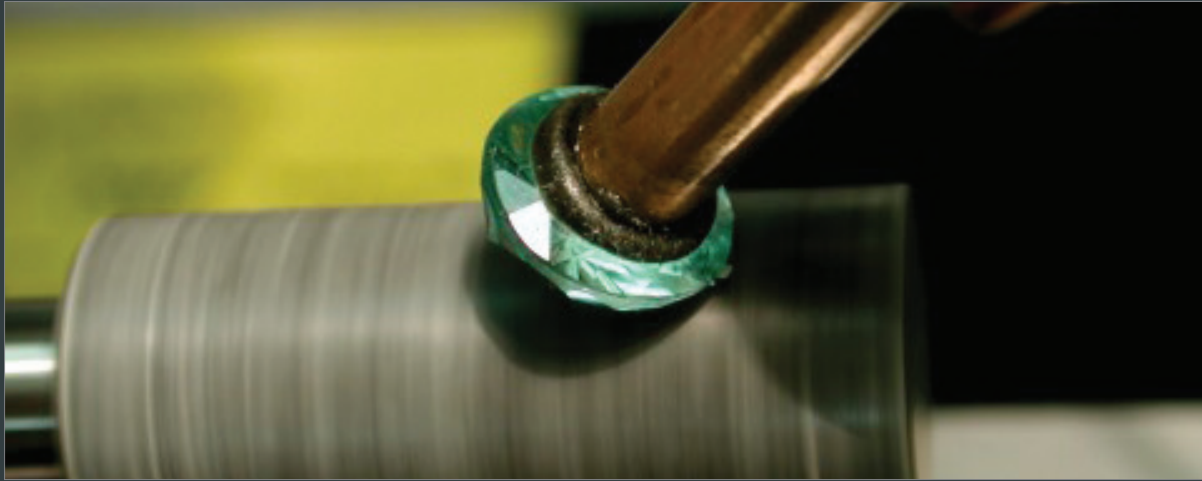
The name ‘Magnificent Green,’ given to the exact tone of the Cunas emeralds, is inspired by the Magnificus bird. This type of bird from paradise, originally Papua New Guinea, exhibits this iridescent green in its chest when courting the female with a unique dance.”

- GemResearch Swisslab

The local miners describe Cunas emeralds as being a brilliant open crystal with an amazing illumination.

CUNAS PRODUCTION & SORTING





When cutting the Cunas emerald, it transforms into a vibrant green fire.

Once the emerald is completed by a master cutter, the play of light on the facets is luminescent.

CUNAS FACETED EMERALDS



A 3.50ct Cunas Cushion Emerald

GRS GEMRESEARCH BY SWISSLAB®		
GEMSTONE REPORT EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE		
No.	GRS2019-080829	Origin
Date	5th September 2019	Gemmological testing revealed characteristics corresponding to those of a natural emerald from:
Object	One faceted gemstone	
Identification	Natural Emerald	Colombia
		
Weight	3.50 ct	
Dimensions	8.98 x 8.93 x 7.31 (mm)	
Cut	brilliant/faceted	
Shape	cushion	
Color	green	
Comment	CE(O): None	
		
		
<small>See reverse for important information, terms and limitations.</small>		<small>© GRS Gemresearch Swisslab AG, P.O. Box 3628, 6002 Lucerne, Switzerland</small>

“The cutter must consider the rough’s depth of color, durability, and inclusions when making cutting decisions. Mistakes cause weight loss, which greatly reduces the value of a potentially valuable gem.”

-Gemological Institute of America

FROM THE CUNAS MINE OF COLOMBIA
TO A CREATED TREASURE



A Remarkable 7.67ct
Muzo Green Cunas
Emerald Ring

GRS GEMRESEARCH SWISSLAB®			
GEMSTONE REPORT			
EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE			
No.	GRS2013-012265	Origin	
Date	30th January 2013	Gemmological testing revealed characteristics corresponding to those of a natural emerald from:	
Object	One faceted gemstone		
Identification	Natural Emerald		Colombia

			
Weight	7.67 ct		
Dimensions	14.02 x 11.07 x 8.38 (mm)	GRS GEMRESEARCH SWISSLAB® <i>European Geologist</i>	
Cut	brilliant/faceted	© GRS Gemresearch Swisslab AG, P.O. Box 3628, 6002 Lucerne, SWITZERLAND Türschli	
Shape	oval	© GRS Gemresearch Swisslab AG, P.O. Box 3628, 6002 Lucerne, SWITZERLAND Türschli	
Color	green		
Comment	CE(O): Insignificant		

Diese Edelsteinberichte wird nur unter der Voraussetzung abgegeben, dass die wichtigsten Informationen auf der Rückseite als Vertragsbestandteil mit der GRS Gemresearch Swisslab AG akzeptiert worden sind. Spezielle Beachtung ist der Handhabung mit der Deklaration von Behandlungen zu schenken.

GRS Gemresearch Swisslab Gemstone Reports are issued under condition that the information and limitation on the reverse side form an integral part of the take-out contract with GRS Gemresearch Swisslab AG. Please note the regulations governing the declaration of gemstone treatments.

Code Use
See Help
INTERNET
www.gemresearch.com
www.cunasepasa.net


“Rough emeralds are transported by a special service to the Cunas Office in the Emerald Trade Center. The material is selected and classified in the raw and then sent to be cut.”


-Cunas Emeralds Company



An Exceptional 13.18ct Gem
Cunas Emerald


This stunning Cunas emerald illuminates its famous vibrant fire-green.

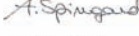


GUBELIN



GEMMOLOGICAL REPORT

Report Number 20023079	Colour green
Date 14 February 2020	Species Natural beryl
Item One faceted gemstone	Variety Emerald
Weight 13.18 ct	Origin Colombia
Shape octagonal	Condition Indications of minor clarity enhancement.
Cut step cut	Natural emeralds are commonly clarity enhanced.
Measurements 14.24 x 13.59 x 10.16 mm	<i>Important notes and limitations on the reverse.</i>
Transparency transparent	


Annette Widemann-Wong


Alessandra Spingardi 

Smeraldo
Emerald


**RAPPORT DE PIERRE PRÉCIEUSE · EDELSTEINBERICHT
GEMSTONE REPORT**

 **C. DUNAIGRE**
Switzerland



No. Date	CDC 1909469 20 September 2019
Object description	One faceted gemstone
Weight Dimensions	13.17 ct 14.23 x 13.58 x 10.15 mm
Colour Shape/style Transparency	Green Octagonal/step cut Transparent
Quality Grade	Very good
Identification This gemstone shows gemmological properties consistent with those of emeralds from:	EMERALD (Natural Beryl) Colombia
Comments	Indications of minor clarity enhancement.*

* Natural emeralds are commonly clarity enhanced.


C. Dunaigre Consulting GmbH
Christian Dunaigre AG, DUG

IDENTIFICATION · IDENTIFIKATION · IDENTIFICATION

This Gemstone Identification Report is a professional and independent opinion based on the gemmological properties of the gemstone at the time of the examination. The reverse side is an integral part of the Report and contains important information and limitations.

C. Dunaigre Consulting GmbH | Chemin De la Vallée 1 | 1022 Le Mont-sur-Lausanne/Switzerland
cdconsulting@dunaigre.com

A Perfectly Matched 17.39ct tw
Cunas Earrings



GEMSTONE REPORT

EDELSTEINBERICHT
RAPPORT DE PIERRE PRÉCIEUSE

No. GRS2011-093243
Date 12th September 2011
Object One faceted gemstone
Identification Natural Emerald

Origin
Gemological testing revealed characteristics corresponding to those
of a natural emerald from:

Colombia



GRS

Weight 8.52 ct
Dimensions 12.90 x 12.29 x 8.99 (mm)
Cut brilliant/faceted
Shape cushion
Color green
Comment CE(O); Insignificant

Dr. A. Peretti FGG FGA
GEMRESEARCH
SWISSLAB European Geologist

© GRS Gemresearch Swisslab AG, P.O. Box 4028, 6002 Lucerne, SWITZERLAND



2011-093243



Translation
Verification

Code Use
See Help
INTERNET
www.gemresearch.ch
www.emeraldreport.com

Dieser Edelsteinbericht wird nur unter der Voraussetzung abgegeben, dass die wichtigsten Informationen auf der Rückseite als Vertragsbestandteil mit der GRS Gemresearch Swisslab AG akzeptiert worden sind. Spezielle Beachtung ist der Handhabung mit der Deklaration von Behandlungen zu schenken.

GRS Gemresearch Swisslab Gemstone Reports are issued under condition that the information and limitation on the reverse side form an integral part of the relevant contract with GRS Gemresearch Swisslab AG. Please note the regulations governing the declaration of gemstone treatments.

GEMSTONE REPORT

EDELSTEINBERICHT
RAPPORT DE PIERRE PRÉCIEUSE

No. GRS2012-052856
Date 25th May 2012
Object One faceted gemstone
Identification Natural Emerald

Origin
Gemological testing revealed characteristics corresponding to those
of a natural emerald from:

Colombia



GRS

Weight 8.87 ct
Dimensions 12.98 x 12.13 x 9.76 (mm)
Cut brilliant/faceted
Shape cushion
Color green
Comment CE(O); Minor

Dr. A. Peretti FGG FGA
GEMRESEARCH
SWISSLAB European Geologist

© GRS Gemresearch Swisslab AG, P.O. Box 4028, 6002 Lucerne, SWITZERLAND



2012-052856



Translation
Verification

Code Use
See Help
INTERNET
www.gemresearch.ch
www.emeraldreport.com

Dieser Edelsteinbericht wird nur unter der Voraussetzung abgegeben, dass die wichtigsten Informationen auf der Rückseite als Vertragsbestandteil mit der GRS Gemresearch Swisslab AG akzeptiert worden sind. Spezielle Beachtung ist der Handhabung mit der Deklaration von Behandlungen zu schenken.

GRS Gemresearch Swisslab Gemstone Reports are issued under condition that the information and limitation on the reverse side form an integral part of the relevant contract with GRS Gemresearch Swisslab AG. Please note the regulations governing the declaration of gemstone treatments.

COLOMBIAN EMERALDS FROM THE MINES OF LA PITA



“La Pita, another well-known emerald mining locality, is home to Itoco, a mythical mountain peak named for the son of queen Fura and her husband Tena. Legend says that tears shed in the tragic love story of Fura and Tena turned into beautiful green stones that lay buried underground.”

-Gemological Institute of America

La Pita has a similar color to the “Muzo Green” with fine crystal-like properties and a yellow undertone.

LA PITA FACETED EMERALDS



A Magnificent
5.66ct Octagonal
La Pita Emerald




Robert in Bogotá learning from the master cutter, Adolfo Argotty, considered the best emerald cutter in the world.

			
GEMSTONE REPORT EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE			
No.	GRS2018-062151	Origin	
Date	26th June 2018	Gemological testing revealed characteristics corresponding to those of a natural emerald from:	
Object	One faceted gemstone		
Identification	Natural Emerald		Colombia
			
Weight	5.66 ct		
Dimensions	11.12 x 10.26 x 8.01 (mm)		
Cut	step/step (4)	Dr. A. Peretti FGG FGA European Geologist	
Shape	octagonal	© GRS Gemresearch Swisslab AG, P.O. Box 3628, 6002 Lucerne, SWITZERLAND	
Color	vivid green *		
Comment	CF(O): Minor * Special comment see appendix	2018-062151	
<small>Dieser Edelsteinbericht wird nur unter der Voraussetzung abgegeben, dass die wichtigsten Informationen auf der Rückseite als Vertragsbestandteil mit der GRS Gemresearch Swisslab AG akzeptiert worden sind. Spezielle Beachtung ist der Handhabung mit der Deklaration von Behandlungen zu schenken.</small>		<small>GRS Gemresearch Swisslab Gemstone Reports are issued under conditions that the information and comments on the reverse side form an integral part of the relevant contract with GRS Gemresearch Swisslab AG. Please note the regulations governing the declaration of gemstone treatments.</small>	

FROM THE LA PITA MINE
OF COLOMBIA
TO A CREATED TREASURE



An Imperial Green
6.76ct La Pita
Emerald Ring


<p style="font-size: small;">Emeraude Smaragd Emerald</p> <p>RAPPORT DE PIERRE PRÉCIEUSE · EDELSTEINBERICHT GEMSTONE REPORT</p>		
<p>No.</p> <p>Date</p> <p>Object description</p> <p>Weight</p> <p>Dimensions</p> <p>Colour **</p> <p>Shape/style</p> <p>Transparency</p> <p>Quality Grade</p> <p>Identification</p> <p><small>This gemstone shows gemological properties consistent with those of emeralds from:</small></p> <p>Comments</p>	<p>CDC 1805062</p> <p>14 May 2018</p> <p>One faceted gemstone</p> <p>6.76 ct</p> <p>13.21 x 10.83 x 7.10 mm</p> <p>Vivid green ("Imperial green")</p> <p>Octagonal/step cut</p> <p>Transparent</p> <p>Very good</p> <p>EMERALD (Natural Beryl)</p> <p>Colombia</p> <p>Indications of minor clarity enhancement.*</p>	  <p>C. Dunaigre Consulting GmbH Christian Dunaigre AG, DUG</p> <p style="font-size: x-small;">IDENTIFICATION - IDENTIFIKATION - IDENTIFICATION</p> <p style="font-size: x-small;">The Gemstone Identification Report is a professional and independent opinion based on the gemological properties of the gemstone at the time of the examination. The reverse side is an integral part of the Report and contains important information and limitations.</p>
<p><small>* Natural emeralds are commonly clarity enhanced.</small></p> <p><small>** C. Dunaigre Consulting colour nomenclature.</small></p>		
<p style="font-size: x-small;">C. Dunaigre Consulting GmbH Berggasse 1/1CH-6003 Luzern Switzerland cdc consulting@cdunaigre.com</p>		


C. Dunaigre Consulting certifies this emerald as vivid green and imperial green.



A Gem 6.61ct La Pita Emerald
Displaying Muzo Green


This amazing, open crystal emerald from the La Pita Mine represents the Muzo Green color.

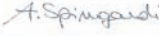

GUBELIN




GEMMOLOGICAL REPORT

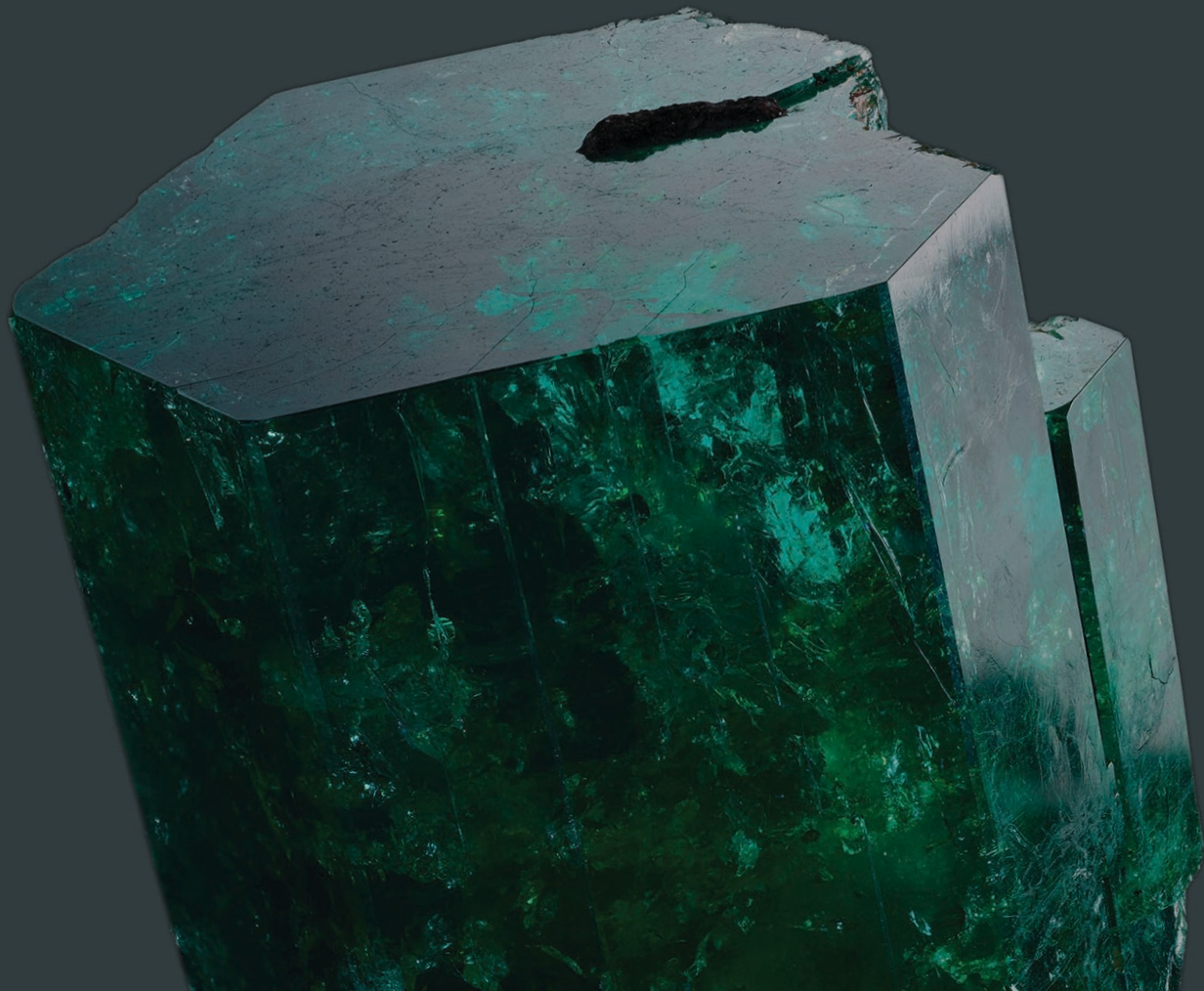
Report Number 20023121	Colour green
Date 19 February 2020	Species Natural beryl
Item One faceted gemstone	Variety Emerald
Weight 6.60 ct	Origin Colombia
Shape cushion-shape	Condition Indications of minor clarity enhancement. Natural emeralds are commonly clarity enhanced.
Cut modified brilliant cut	<small>Important notes and limitations on the reverse.</small>
Measurements 11.82 x 11.72 x 8.03 mm	
Transparency transparent	


Annette Widemann-Wong


Alessandra Spingardi



COLOMBIAN EMERALDS
FROM THE MINES OF COSCUEZ



“The world’s richest emerald-bearing region straddles the easternmost prong, known as the Cordillera Oriental. The Muzo district lies due north of Bogotá, the capital of Colombia, in the northern part of this emerald-bearing zone. The Muzo and Coscuez mines lie within 10 km of each other in the state of Boyaca.”

-Gemological Institute of America

The Coscuez mine is the second largest producer of emeralds in Colombia. Its color and saturation may vary, but it is similar to the Muzo Green, which has a yellow undertone and deep saturation.

COSCUEZ FACETED EMERALDS



A 6.71ct Pear
Coscuez Emerald

Émeraude
Smaragd
Emerald

RAPPORT DE PIERRE PRÉCIEUSE · EDELSTEINBERICHT
GEMSTONE REPORT

 **C. DUNAIGRE**
Switzerland

No.	CDC 1209093
Date	29 September 2012
Object description	One faceted gemstone
Weight	6.71 ct
Dimensions	17.74 x 9.26 x 8.27 mm
Colour	Vivid green
Shape/style	Pear-shape/mod. brilliant cut
Transparency	Transparent
Quality Grade	Very good
Identification	EMERALD (Natural Beryl)
<small>This gemstone shows geological properties consistent with those of emeralds from:</small>	Colombia
Comments	Indications of minor clarity enhancement.*



C. Dunaigre Consulting GmbH
Christian Dunaigre AG, DUG

* Natural emeralds are commonly clarity enhanced

IDENTIFICATION · IDENTIFIKATION · IDENTIFICATION

C. Dunaigre Consulting GmbH | Friedenstrasse 4 | CH-1004 Luzern/Switzerland
cdconsulting@dunaigre.com

This Gemstone Identification Report is a professional and independent opinion based on the gemological properties of the gemstone at the time of the examination. The reverse side is an integral part of the report and contains important information and limitation.

 **INTERNATIONAL
GEMOLOGICAL
INSTITUTE**

IGI GEMOLOGICAL REPORT

7/3/2019
IGI Report Number **GT13423002**
Species **NATURAL BERYL**
Variety **NATURAL EMERALD**
Shape and Cutting **PEAR MODIFIED BRILLIANT**
Weight **6.70 CARATS**
Measurements **17.77 x 9.29 x 8.29 MM.**
Color and Transparency **GREEN, TRANSPARENT**
REFRACTOMETER - POLARISCOPE:
Refractive Index **1.57-1.58**
Birefringence **+**
Optic Character **UNIAXIAL**
Optic Sign **NEGATIVE**

Characteristic Imperfections and Inclusions
FIGURES, THREE PHASE INCLUSIONS.

Comments: Country of origin based on current gemological information. Indications of moderate clarity enhancement with resin.



COLORED STONE

IGI IDENTIFICATION REPORT
GT13423002

Report verification at igiworld.com

ADDITIONAL INFORMATION

Typical Absorption Spectra	+
Specific Gravity	2.71
ULTRA VIOLET	
Long Wave	NONE
Short Wave	NONE
Pleochroism	DICHROIC
Country of Origin	Colombia

Control Department


LABORATORY DIRECTOR, GEMOLOGIST

SCIENTIFIC LABORATORY FOR THE IDENTIFICATION AND GRADING
OF DIAMONDS AND COLORED STONES
EDUCATIONAL PROGRAMS



PHOTO APPROX.



This gemstone identification is a professional and independent opinion based on the gemological properties of the gemstone at the time of the examination. The reverse side is an integral part of the report and contains important information and limitation.



IGI is a registered trademark of the International Gemological Institute. IGI is not responsible for the accuracy of the information provided on this website. IGI is not responsible for the accuracy of the information provided on this website. IGI is not responsible for the accuracy of the information provided on this website.

“In the 1990’s, tunneling became the only means of emerald mining. Open pit emerald mining with bulldozers was outlawed out of respect for the environment. Now in the new millennium all Colombian emerald mines follow sustainable guidelines. Corporate responsibility has also given rise to greater respect for every worker. They have been given a salary and benefits that have had a very positive effect on the entire region.”

-Ronald Ringsrud



A 6.47ct Step-Cut
Coscuez Emerald



Gemstone Report



No. 12040051
Date 17 April 2012
Item One faceted gemstone
Weight 6.47 ct
Shape octagonal
Cut step cut
Measurements 11.42 x 10.63 x 7.91 mm
Transparency transparent
Colour green
Species Natural beryl
Variety Emerald
Origin Gemmological testing revealed characteristics consistent with those of emeralds originating from: Colombia
Condition Indications of minor clarity enhancement.
 Natural emeralds are commonly clarity enhanced.
 Important notes and limitations on the reverse.

A. Spingardi

Alessandra Spingardi

Sonia Cherchi

Sonia Cherchi

The Prestige Gemstone Report™

American Gemological Laboratories



Document No: 8090188
Validation Date: 18 February 2020
Identification
Mineral Type: Natural Beryl
Variety: Emerald
Color Description: Green
Carat Weight: 6.46 cts
Shape: Rectangular
Measurements: 11.43 x 10.63 x 7.91 mm
Cutting Style: Emerald Cut
Comments:

Origin
Provenance: Colombia



Comments: Based on available gemmological information, it is the opinion of the Laboratory that the origin of the material would be classified as Colombia.

Enhancement
Standard: Clarity
Degree: Minor
Type: Modern
Stability Index: Very Good to Good
Additional: None

Comments: Emeralds are commonly clarity enhanced to reduce the visibility of features. Today, modern types of materials used to clarity enhance gemstones include various polymer-type resins, singly or in combination with other types of fillers.

Comments:

General Report Comments:

1	2	3	4	5	6	7	8	9	10	None	Regional	Other	Ultimate	Very	Planned
Excellent	Very Good	Good	Fair	Poor	Enhancement	Very Good	Fair	Ultimate	Custom	None	None	None	None	None	None

Enhancement Stability Index™

Degree of Clarity Enhancement & Relative Rarity™

Christopher P. Smith

Christopher P. Smith, President



American Gemological Laboratories
 580 Fifth Avenue • New York, NY 10035 • 212.704.0727 • Fax: 212.764.7614 • www.aglgemlab.com
Please see the back of this document for important disclaimer information. © 2020 AGL

FROM THE COSCUEZ MINE
OF COLOMBIA
TO A CREATED TREASURE



An Exceptional
13.53ct Coscuez
Emerald Ring

GRS GEMRESEARCH SWISSLAB			
GEMSTONE REPORT EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE			
No.	GRS2015-022570	Origin	Colombia
Date	27th February 2015	Gemological testing revealed characteristics corresponding to those of a natural emerald from:	
Object	One faceted gemstone		
Identification	Natural Emerald		
			
Weight	13.53 ct		
Dimensions	18.09 x 13.84 x 7.68 (mm)	Dr. A. Peretti FGG FGA GEMRESEARCH SWISSLAB European Geologist	
Cut	step/step	© GRS Gemresearch Swisslab AG, P.O. Box 3628, 6002 Lucerne, SWITZERLAND	
Shape	octagonal	Translation	
Color	green	Verification 	
Comment	CE(O): Insignificant	Code Use See Help INTERNET www.gemresearch.com www.pstreports.net	
<small>Dieser Edelsteinbericht wird nur unter der Voraussetzung abgegeben, dass die wichtigsten Informationen auf der Rückseite als Vertriebsbestandteil mit der GRS Gemresearch Swisslab AG adaptiert wurden sind. Spezielle Beachtung ist der Haftungsbegrenzung mit der Dokumentation von Behandlungen zu schenken.</small>		<small>GRS Gemresearch Swisslab Gemstone Reports are issued under condition that the information and limitation on the reverse side form an integral part of the relevant contract with GRS Gemresearch Swisslab AG. Please note the regulations governing the declaration of gemstone treatments.</small>	

“Emerald’s color is unlike that of any other green object or gem: it is a unique mixture of wavelengths. The perfect geological genesis of a Colombian emerald creates a red fluorescence that changes the green to a ‘vibrant emerald green.’ Occasionally, an array of microscopic inclusions creates an alluring and softening effect in the color of a Colombian emerald. Located in the center of the visible spectrum, green is cherished in many cultures of the world as a harmonizing and balancing color; the color of the heart.”

-Ronald Ringsrud

We are grateful for the opportunity to be a part of the treasure hunt for the finest emeralds in the world. It is our mission to be of service to the many in need. In the United States, we build shelters for battered women and their children. Our emerald treasures not only serve our charities, but they also serve the needs of many in Colombia. Resources are given back to the Bogatá Orphanage and to the recently built Muzo School. In addition, we are honored to be part of Colombia's ethical gem trading and the enforcement of safe mining conditions for workers.

Further details and prices upon request



Robert with the children of the Bogotá Orphanage.



The newly built school in Muzo, Colombia.