

Koller Auktionen - Lot 2073*
A197 Jewellery - Wednesday 30 June 2021, 10.30 AM



EMERALD AND GOLD EARCLIPS.

Yellow and white gold 750, 11g.

Each set with 1 fine, cushion-shaped Colombian emerald of 7.86 ct, minimally enhanced, resp. 9.62 ct, moderately enhanced, bezel-set in yellow gold. Ca. 1,6 x 1,4 cm.

With Gübelin-Report no. 19110190, and 19110189, November 2019. The description of this lot is based on the above mentioned reports.

CHF 95 000 / 150 000
€ 97 940 / 154 640

Koller Auktionen - Lot 2073*
A197 Jewellery - Wednesday 30 June 2021, 10.30 AM



Koller Auktionen - Lot 2073*
A197 Jewellery - Wednesday 30 June 2021, 10.30 AM



GEMMOLOGICAL REPORT

Report Number	Colour
19110190	green
Date	Species
26 November 2019	Natural beryl
Item	Variety
One faceted gemstone	Emerald
Weight	Origin
7.86 ct	Colombia
Shape	Condition
cushion-shape	Indications of minor clarity enhancement with a modern filling material (resin-type). Natural emeralds are commonly clarity enhanced.
Cut	
modified brilliant cut	
Measurements	Comments
13.85 x 12.21 x 7.97 mm	See Information Sheet(s).
Transparency	Important notes and limitations on the reverse.
transparent	

Handwritten signature of Dr. Klaus Schollenbruch.

Dr. Klaus Schollenbruch

Handwritten signature of Lidia Bellomo.

Lidia Bellomo



Gübelin Gem Lab
Liechtenstein, Hong Kong, New York
www.gubelin.com

Koller Auktionen - Lot 2073*
A197 Jewellery - Wednesday 30 June 2021, 10.30 AM



G E M M O L O G I C A L R E P O R T

Report Number	Colour
19110189	green
Date	Species
26 November 2019	Natural beryl
Item	Variety
One faceted gemstone	Emerald
Weight	Origin
9.62 ct	Colombia
Shape	Condition
cushion-shape	Indications of moderate clarity enhancement with a modern filling material (resin-type). Natural emeralds are commonly clarity enhanced.
Cut	
modified brilliant cut	
Measurements	Comments
14.16 x 12.51 x 8.01 mm	See Information Sheet(s).
Transparency	Important notes and limitations on the reverse.
transparent	

Dr. Klaus Schollenbruch

Alessandra Spingardi
The official seal of the Gübelin Gem Lab, featuring a central emblem with a diamond and surrounding text.

Gübelin Gem Lab
Lucerne · Hong Kong · New York
www.gubelin.com

Koller Auktionen - Lot 2073*
A197 Jewellery - Wednesday 30 June 2021, 10.30 AM



INFORMATION SHEET
to Report No. 19110189

Emerald, determination of the type of filler material

The practice of enhancing the visual appearance of emeralds by filling surface-reaching fissures with oil or resin is a standard procedure. Such fissure filling can improve the visual appearance of an emerald dramatically. This treatment is generally accepted as a necessity due to the fractured nature of emeralds.

Gem labs are determining the presence or absence of any clarity enhancing substance in emeralds, and grade its extent. A broad variety of substances are applied for this treatment, characterised by different optical and mechanical properties, stability and durability. Following the growing request from end consumers for full disclosure, the Gübelin Gem Lab has decided to also offer the determination of the type of filler material, distinguishing different types.

Oil is a traditional type of filler in emeralds, used since more than two thousand years. Mostly of low viscosity it penetrates deep into the surface-reaching fissures. Oil can leak or dry out over time, losing its clarity enhancing effect. With the help of cleaning agents such as acetone, the oil can be removed. Hence, oiling is a reversible and repeatable process.

In the definition of the Gübelin Gem Lab, the oil-type group comprises different types of vegetable oils, paraffin oils (such as Johnson's baby oil), or natural and synthetic Canada balsam and cedar wood oil (tree oils). Most oil-type fillers are liquid to viscous at room temperature.

Resins are a more modern type of filling material, used since the middle of the last century. Mostly of synthetic origin, resins comprise several solid or highly viscous substances characterized by optical properties close to those of emerald, and, once applied in fissures, a high viscosity. This property makes resin more durable and stable, and hence suitable not only for clarity enhancement, but also for stabilising lower quality material which would not normally be sufficiently durable for use in jewellery without such treatment. Consequently, lower grades of emerald are mostly treated with resin. Due to their more stable nature, resins are harder to remove from fissures. Some resins are applied in combination with a polymerising hardening substance. The most common resin types and brands include: Opticon, Palm Resin (aka Palma), PermaSafe, ExCel, Emerald Beauty, Gematrat.

page 1 of 2

Information Sheets are intended to provide information supplementary to the contents of the Report and concerns, for instance, the type of gemstone, the geographic origin and the presence or absence of treatments. By definition, Information Sheets are purely informative in nature; they consist of a limited size and are issued for all types of items of that particular category. Information Sheets, therefore, do not imply a certain quality or rarity of the items described in the Gübelin Gem Lab Report which it is attached to.

Gübelin Gem Lab
Zürich, Hong Kong, New York
www.gubelangemlab.com

Koller Auktionen - Lot 2073*
A197 Jewellery - Wednesday 30 June 2021, 10.30 AM



Wax, typically paraffin wax, is another category of filling material used in emeralds. Wax is defined as solid at room temperature, malleable and not soluble in water. On its gemological reports, the Gübelin Gem Lab uses the following wording for the different types of filling materials:

- a. Traditional (oil-type)
- b. Modern (resin-type)
- c. Mixed (oil-type and resin-type)
- d. Wax

The type of filling material is mainly determined by spectroscopic methods, namely FTIR and Raman. The hardener contained in some type of resins shows spectroscopic properties of oil. Hence, such resins often cannot be distinguished from an oil-resin mix.

page 2 of 2

Information: These are intended to provide information supplementary to the contents of the Report and constitute only for instance, the type of gemstone, the geographic origin and the presence or absence of treatments. By definition, Information Sheets are purely informative in nature; their content is a modified text and are issued for all types of items of the particular category. Information Sheets, therefore, do not imply a certain quality or status of the item described in the Gübelin Gem Lab Report which it is attached to.

Gübelin Gem Lab
Locarno, Hong Kong, New York
www.gubelangemlab.com

Koller Auktionen - Lot 2073*
A197 Jewellery - Wednesday 30 June 2021, 10.30 AM

