

GEMSTONE REPORT

R-201813242



ID

Photos Gallery



Image is approximate

Date**16.01.2019**
Weight**1.75ct**
Shape.....**Octagonal**
Cut**Step/Step**
Dimensions.....**7.08x6.61x4.49**

Natural Emerald

Color

Green

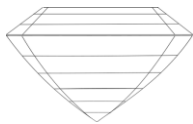
Enhancement

Minor

Origin

Zambia

Cut



Instruments used:

- FTIR
- EDXRF
- Magnification
- UV-vis
- PL532
- Raman
- LIBS

**see next page for data report

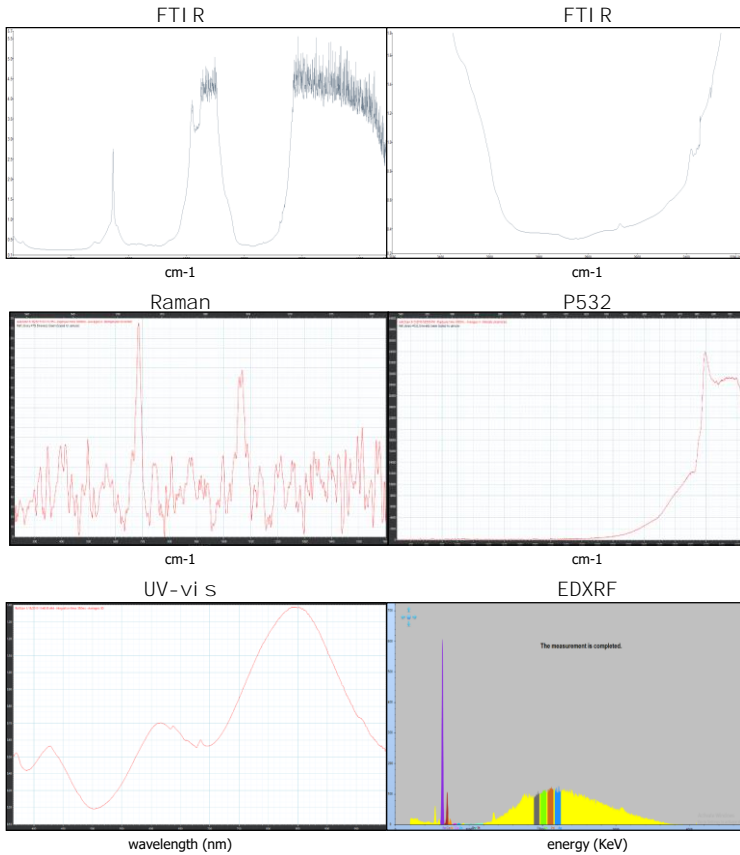
The Results Documented in this report refer only to the article described, and were obtained using the techniques and equipment used by LAB at the time of examination. This report is not a guarantee or validation. For additional informations and disclaimers, visit www.gemlabanalysis.com/clients



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DATA GEMREPORT

Request HQ Pictures of your data at info@gemlabanalysis.com



The data collected on your item is valid at the issuance date of this report



LABORATORY ANALYSIS BELLEROPHON is a Gemological laboratory who provide analysis and data interpretation on Gemstone and Jewelry. Our services include gem identification, treatment detection and origin determination.

ABOUT IDENTIFICATION: Our identification process is done through multiple layers to obtain a conclusion about the nature of the Gemstones natural composition, varieties and species, natural and synthetic are discovered within this process. Significant scientific data must be collected in order for us to reach our conclusion

TREATMENT: Our Treatment detection is done with the help of the most advanced technology, same as all process in our lab we need multiple layers of data to reach our conclusion. Experience, observation, research and scientific literature from past and present constitutes our foundation.

COLOR GRADING: Our color grading and color trade name found its base in Munsell color system with the help of natural gemstone color master set. As many gemstones possess two colors it is challenging to deal in absolute for exact color grade. Light, cutting, saturation, tone, and chemical composition play a determinant role in our grading system.

ORIGIN: Origin determination is found through empirical data such as chemical composition, ultraviolet-visible spectroscopy, inclusion present or absent. Based on this data we can reliably identify the matrix of a gemstone and as such the geological area of its formation. Countries of origin are lines drawn by men, geological origin lines drawn by nature, the second one is analyzed with accuracy while the first is an interpretation of it.

DISCLAIMER: Client acknowledges that, the testing techniques and the technology used by Laboratory Analysis Bellerophon for testing items for synthetics, treatments, processing, and the like are subject to change. These are evolving and include certain subjective elements therefore the ways in which items might be treated or processed are changing and dynamic, becoming more sophisticated. As a result, it might not be possible in all cases to determine whether item(s) have been processed or treated using Laboratory Analysis Bellerophon's then-current techniques and technology therefore Laboratory Analysis Bellerophon makes no representations or warranties to client in this regard. Wherein if Laboratory Analysis Bellerophon failure to detect whether an item has been processed or treated, or an inaccurate determination is made that an item was in fact found treated, natural, undetermined or processed. Laboratory Analysis Bellerophon knowledge of/ or ability to detect any treatments shall not have any liability to client or any third party. Laboratory Analysis Bellerophon shall not have any liability to client or any third party for Laboratory Analysis Bellerophon failure to detect whether an item has been processed or treated, for Laboratory Analysis Bellerophon wherein if inaccurate determination was made that an item was in contrary treated, natural, undetermined or processed or for Laboratory Analysis Bellerophon knowledge of or ability to detect any treatments.

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This Laboratory Analysis Bellerophon Report does not constitute a guarantee for an appraisal of the object or gemstone described therein. The physical appearance of an object or gemstone may differ from its photographic image on the gemstone report. Determination of the authenticity and country of origin of a gemstone is based on analysis of its chemical and physical properties, its internal and or external characteristics such as presence and or absence of inclusions and growth features using standard gemological instruments and modern analytical instruments including spectrometers and lasers. The conclusion on the country of origin, authenticity and any kind of enhancement of a gemstone is an opinion of Laboratory Analysis Bellerophon based on correlation analysis with those obtained from the past and present analysis of reference materials, as well as those in historic published gemological literature. Laboratory Analysis Bellerophon continuously updates this knowledge to a reasonable extent. Any conclusion on gemstone reports represent an opinion based on the theoretical and practical experience of the Laboratory. Laboratory Analysis Bellerophon may refuse the issuance of a gemstone report at any time. Unless expressly agreed upon or otherwise, the client agrees to not hold Laboratory Analysis Bellerophon liable for the loss or damage of gemstone(s) resulting from risks that may occur during the transportation and delivery processes, including robbery and theft, during the examination process, including color and clarity alteration or other alterations of the object or gemstone material including removal or fissure fillings on or within the object; and within the timeframe and thereafter the gemstone is in possession of Laboratory Analysis Bellerophon, including theft negligence and natural acts of God. 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