

GEMSTONE REPORT

R-201913509



ID

Natural Emerald

Color

Vivid Green*

Enhancement

Minor

Origin

Colombia



Date**2/15/2019**

Weight**3.43ct**

Shape**Octagonal**

Cut**Step/Step**

Dimensions**10.84x8.74x4.75**

Cut

Comment:



Color Commonly Known as

***Muzo Green**

Instruments used:

**see next page for data report

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

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 valuation. For additional informations and disclaimers, visit www.gemlabanalysis.com/clients

DATA GEMREPORT

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

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.

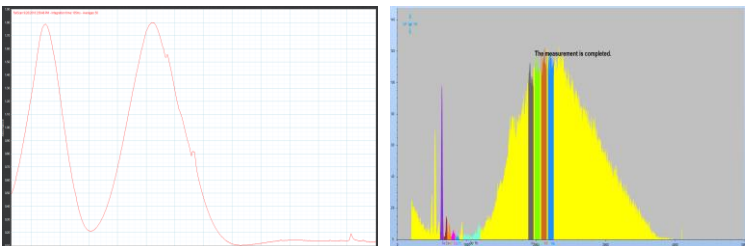
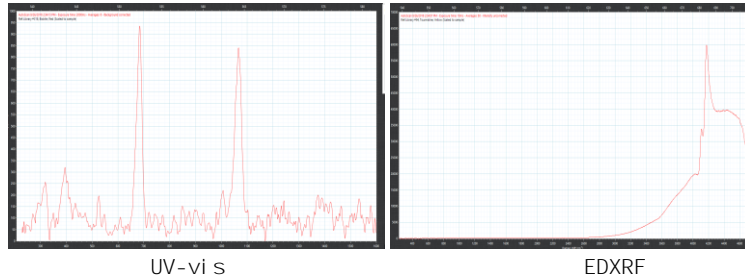
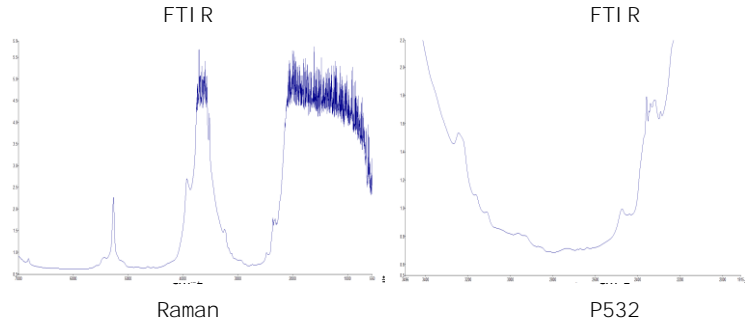
COLOR GRADING: Our color grading and color trade name found its base in Munsell color system with the help of natural gemstone color master set. As many gemstones possess two colors it is challenging to deal in absolute for exact color grade. Light, cutting, saturation, tone, and chemical composition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

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