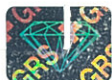


## GEMSTONE REPORT

EDELSTEINBERICHT  
RAPPORT DE PIERRE PRÉCIEUSE

No. GRS2019-100525  
Date 3rd October 2019  
Object One faceted gemstone  
Identification Natural Emerald



Weight 3.03 ct  
Dimensions 9.73 x 7.97 x 5.85 (mm)  
Cut step/step (3)  
Shape octagonal  
Color vivid green \* (GRS brilliancy-type "vibrant")  
Comment CE(O): Minor  
\* Special comment see appendix

### Origin

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

Colombia

MUZO  
VIBRANT



Dr. A. Peretti, FGG FGA  
*EurGeol (European Geologist)*

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2019-100525

Verification





### **Appendix to report No. GRS2019-100525**

GRS Laboratories examined a 3.03 ct natural emerald, described in report number GRS2019-100525, that exhibited very good brilliancy and ideal proportions, making it worthy of receiving the GRS brilliancy designation of “vibrant”.

“Vibrant” is an attribute given to gemstones that display a high amount of color reflection – as opposed to the separately considered category of color saturation. A “vibrant” appearance is achieved through the skillful cutting of a gemstone to its optimal proportions, resulting in greater-than-usual weight loss and a maximized reflection pattern

This vividly saturated emerald of 3.03 ct is reminiscent in hue of the varieties displaying the legendary colors found in the world renowned Muzo mines. They are formally described as “Muzo Green” (\*) and commonly known in the trade as “Old Mine” emeralds.

This particular emerald displays an additional microscopic velvety appearance caused by a rare growth phenomenon described in the literature as “butterfly-wing effect”.

These stones are given the designation GRS-type “Mariposa”, referring to the Spanish word for butterfly.



Dr. A. Peretti  
Director GRS

*This appendix indicates the specific quality and color for emeralds from various Colombian mines; however, it does not specify from which particular mine they were found.*

*(\*) For further information see [www.muzo-green.com](http://www.muzo-green.com)*

