

# GEMSTONE REPORT

## EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE

No. GRS2022-098166  
Date 5th September 2022  
Object A set of 12 faceted gemstones  
Identification 12 Natural Emeralds



Weight total 6.83 cts (details see appendix)  
Dimensions see appendix  
Cut step/step (3)  
Shape octagonal  
Color see appendix  
Comment see appendix

See reverse for important information, terms and limitations

### Origin

Gemmological testing revealed characteristics corresponding to those of 12 natural emeralds from:

Colombia

GRS

  
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*EuroGeol (European Geologist)*

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Verification

  
2022-098166



**Appendix to report no. GRS2022-098166 ap**

| No. | Weight * | Dimensions              | Color                       | Comment                   |
|-----|----------|-------------------------|-----------------------------|---------------------------|
| 1   | 0.70 ct  | 6.05 x 4.97 x 3.41 (mm) | green                       | CE(O): Insignificant      |
| 2   | 0.67 ct  | 5.98 x 4.71 x 3.45 (mm) | green                       | CE(O): Insignificant      |
| 3   | 0.63 ct  | 5.46 x 4.79 x 3.70 (mm) | vivid green ("vibrant")     | CE(O): Insignificant      |
| 4   | 0.60 ct  | 5.95 x 4.52 x 3.28 (mm) | vivid green (*) ("vibrant") | CE(O): Insignificant      |
| 5   | 0.56 ct  | 5.68 x 4.67 x 3.05 (mm) | vivid green ("vibrant")     | CE(O): Insignificant      |
| 6   | 0.55 ct  | 5.92 x 4.53 x 2.94 (mm) | vivid green                 | CE(O): Insignificant      |
| 7   | 0.54 ct  | 5.48 x 4.52 x 3.24 (mm) | vivid green (*) ("vibrant") | CE(O): None               |
| 8   | 0.52 ct  | 5.57 x 4.24 x 3.33 (mm) | vivid green (*)             | CE(O): Insignificant      |
| 9   | 0.52 ct  | 5.49 x 4.43 x 3.25 (mm) | vivid green (*) ("vibrant") | CE(O): Insignificant      |
| 10  | 0.51 ct  | 5.92 x 4.34 x 2.85 (mm) | vivid green                 | CE(O): Insignificant (**) |
| 11  | 0.50 ct  | 5.52 x 4.87 x 2.80 (mm) | green                       | CE(O): Insignificant      |
| 12  | 0.50 ct  | 5.28 x 4.37 x 3.15 (mm) | green                       | CE(O): Insignificant      |

**Remark :**

\*round from 3 digits (total weight is from 3 digit values)

(\*) = Special comment see appendix

("vibrant") = (GRS brilliancy-type "vibrant"), see appendix

(\*\*) = Minor non-enhanced clarity features (fissure) are eye visible.

(clarity potentially improvable by post-testing treatment)





**Appendix to report No. GRS2022-098166**

GRS Laboratories examined 5 natural emeralds (Nos. 3, 4, 5, 7, and 9), described in report number GRS2022-098166, 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

These vividly saturated 4 emeralds (Nos. 4, 7, 8 and 9) are 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 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)*

