

# GEMSTONE REPORT

## EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE

No. GRS2022-088210  
Date 8th August 2022  
Object A set of 21 faceted gemstones  
Identification 21 Natural Emeralds

### Origin

Gemmological testing revealed characteristics corresponding to those of 21 natural emeralds from:

Colombia

Weight total 14.65 cts (details see appendix)  
Dimensions see appendix  
Cut step/step (3)  
Shape octagonal  
Color see appendix  
Comment see appendix



GRS

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2022-088210

Verification



**Appendix to report No. GRS2022-088210**

These vividly saturated 14 emeralds of total 9.39 cts 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.

These particular 2 emeralds total 1.24 cts display 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.

*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)*



**Appendix to report no. GRS2022-088210 ap**

No.	Weight *	Dimensions	Color	Comment
1	0.66 ct	5.33 x 5.32 x 3.63 (mm)	vivid green (*)	CE(O): None (***)
2	0.65 ct	5.32 x 5.18 x 3.70 (mm)	vivid green (*), (**)	CE(O): None
3	0.59 ct	5.36 x 5.17 x 3.35 (mm)	vivid green (*), (**)	CE(O): Insignificant
4	0.55 ct	5.40 x 4.94 x 3.27 (mm)	vivid green (*)	CE(O): None (***)
5	0.65 ct	5.46 x 5.08 x 3.67 (mm)	vivid green (*)	CE(O): Insignificant
6	0.79 ct	5.59 x 5.37 x 4.19 (mm)	vivid green (*)	CE(O): Insignificant
7	0.66 ct	5.82 x 5.10 x 3.47 (mm)	vivid green (*)	CE(O): Insignificant
8	0.67 ct	5.93 x 5.33 x 3.40 (mm)	vivid green (*)	CE(O): None (***)
9	0.73 ct	5.89 x 5.82 x 3.46 (mm)	green	CE(O): None (***)
10	0.91 ct	5.88 x 5.87 x 4.10 (mm)	vivid green (*)	CE(O): Insignificant
11	0.78 ct	6.01 x 5.86 x 3.54 (mm)	green	CE(O): None (***)
12	0.96 ct	6.20 x 6.19 x 4.04 (mm)	vivid green	CE(O): Insignificant
13	0.79 ct	5.94 x 5.77 x 3.94 (mm)	vivid green	CE(O): None
14	0.74 ct	5.57 x 5.25 x 4.17 (mm)	vivid green	CE(O): Insignificant
15	0.67 ct	5.73 x 5.09 x 3.66 (mm)	vivid green	CE(O): None (***)
16	0.73 ct	5.81 x 5.38 x 3.47 (mm)	vivid green (*)	CE(O): Insignificant
17	0.68 ct	5.62 x 5.48 x 3.52 (mm)	vivid green (*)	CE(O): Insignificant
18	0.63 ct	5.53 x 4.93 x 3.43 (mm)	vivid green (*)	CE(O): None
19	0.57 ct	5.52 x 4.97 x 3.10 (mm)	vivid green	CE(O): Insignificant
20	0.59 ct	5.22 x 5.16 x 3.49 (mm)	vivid green (*)	CE(O): Insignificant
21	0.59 ct	5.14 x 5.06 x 3.67 (mm)	vivid green (*)	CE(O): Insignificant

**Remark :**

- \*rounded from 3 digits (total weight is sum from 3 digit value)
- (\*) = Special comment see appendix
- (\*\*) = Mariposa
- (\*\*\*) = Non-enhanced clarity features (fissure) are eye visible.  
(clarity potentially improvable by post-testing treatment)

