

GEMSTONE REPORT

EDELSTEINBERICHT
RAPPORT DE PIERRE PRÉCIEUSE

No. GRS2022-118173
Date 7th November 2022
Object A set of 21 faceted gemstones
Identification 21 Natural Emeralds

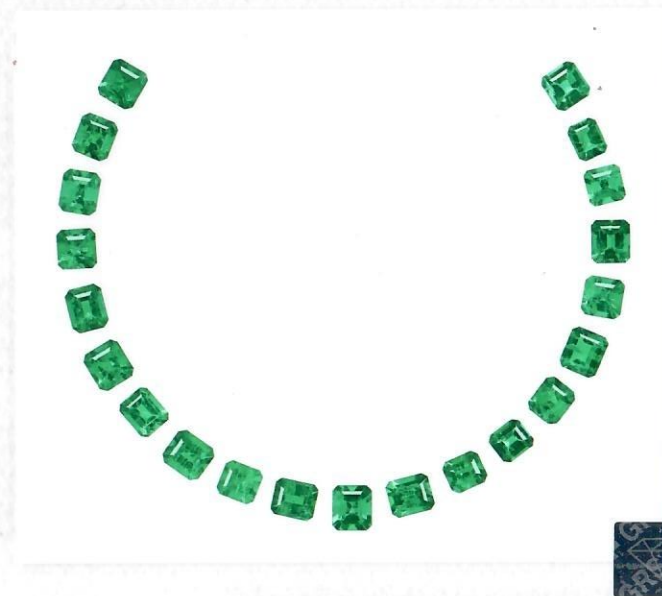
Origin

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

Colombia

Weight total 10.96 cts (details see appendix)
Dimensions see appendix
Cut step/step
Shape octagonal
Color see appendix
Comment see appendix

See reverse for important information, terms and limitations



GRS


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EuroGeol (European Geologist)

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2022-118173

Verification



Appendix to report no. GRS2022-118173 ap

No.	Weight *	Dimensions	Color	Comment
1	0.61 ct	5.26 x 5.03 x 3.69 (mm)	vivid green (*)	CE(O): Minor
2	0.55 ct	5.27 x 4.83 x 3.46 (mm)	vivid green	CE(O): Insignificant
3	0.62 ct	5.42 x 4.76 x 3.81 (mm)	green	CE(O): Insignificant
4	0.54 ct	5.01 x 4.90 x 3.48 (mm)	vivid green	CE(O): Insignificant (***)
5	0.51 ct	5.67 x 4.68 x 2.96 (mm)	green	CE(O): Insignificant (***)
6	0.62 ct	5.38 x 5.01 x 3.61 (mm)	vivid green (*), (**)	CE(O): Minor
7	0.50 ct	5.44 x 4.51 x 3.00 (mm)	vivid green	CE(O): Insignificant
8	0.58 ct	5.51 x 4.95 x 3.23 (mm)	vivid green (*)	CE(O): Minor
9	0.49 ct	4.96 x 4.59 x 3.37 (mm)	vivid green (*)	CE(O): Minor
10	0.49 ct	5.47 x 4.69 x 2.76 (mm)	vivid green (*)	CE(O): Minor
11	0.69 ct	5.73 x 5.02 x 3.82 (mm)	vivid green (*), (**)	CE(O): Insignificant
12	0.52 ct	5.48 x 4.72 x 3.17 (mm)	vivid green (*)	CE(O): Minor
13	0.41 ct	4.84 x 4.30 x 3.10 (mm)	vivid green (*)	CE(O): Insignificant
14	0.34 ct	4.68 x 4.26 x 2.67 (mm)	green	CE(O): Insignificant
15	0.50 ct	5.21 x 4.54 x 3.47 (mm)	vivid green (*)	CE(O): Insignificant (***)
16	0.52 ct	5.52 x 4.93 x 2.72 (mm)	vivid green	CE(O): Insignificant
17	0.54 ct	5.06 x 5.02 x 3.53 (mm)	green	CE(O): Minor
18	0.61 ct	5.43 x 4.84 x 3.41 (mm)	vivid green (*)	CE(O): Insignificant
19	0.47 ct	4.63 x 4.60 x 3.67 (mm)	intense to vivid green	CE(O): Insignificant
20	0.29 ct	4.86 x 3.90 x 2.37 (mm)	green	CE(O): Insignificant
21	0.48 ct	5.14 x 4.95 x 2.95 (mm)	green	CE(O): Insignificant (***)

Remark :

- *rounded from 3 digits (total weight is sum from 3 digit values)
- (*) = special comment see appendix
- (**) = "Mariposa" (see appendix)
- (***) = Minor non-enhanced clarity features (fissure) are eye visible.
 (clarity potentially improvable by post-testing treatment)



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These vividly saturated 10 emeralds of 5.56 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 (Nos. 6 and 11) 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.

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*

