

GEMSTONE REPORT

EDELSTEINBERICHT RAPPORT DE PIERRE PRÉCIEUSE

No. GRS2022-088209
Date 8th August 2022
Object A set of 15 faceted gemstones
Identification 15 Natural Emeralds

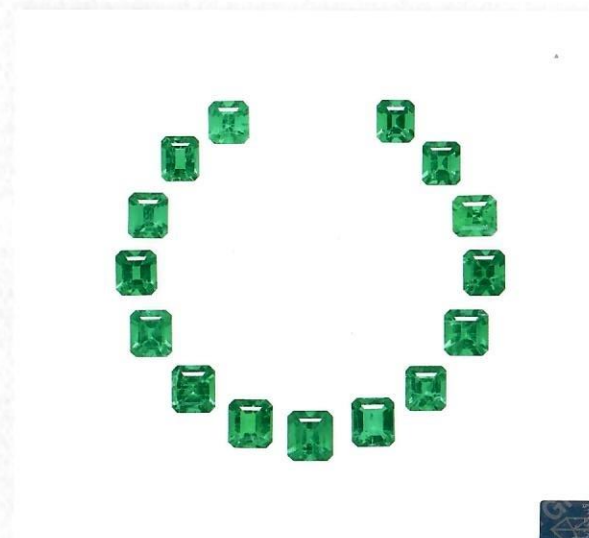
Origin

Gemmological testing revealed characteristics corresponding to those of 15 natural emeralds from:

Colombia

Weight total 10.38 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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2022-088209

Verification



Appendix to report no. GRS2022-088209 ap

No.	Weight *	Dimensions	Cut	Color	Comment
1	0.63 ct	5.40 x 4.95 x 3.79 (mm)	s/s (3)	vivid green	CE(O): Insignificant
2	0.59 ct	5.62 x 4.77 x 3.09 (mm)	s/s (3)	vivid green (*)	CE(O): None (***)
3	0.70 ct	5.70 x 4.99 x 3.90 (mm)	s/s (4)	vivid green (*)	CE(O): None (***)
4	0.70 ct	5.67 x 5.15 x 3.63 (mm)	s/s (3)	vivid green (*)	CE(O): Insignificant
5	0.74 ct	5.84 x 5.21 x 3.74 (mm)	s/s (3)	vivid green (*)	CE(O): None (***)
6	0.72 ct	5.91 x 5.41 x 3.49 (mm)	s/s (3)	vivid green (*), (**)	CE(O): None (***)
7	0.69 ct	6.07 x 5.48 x 3.10 (mm)	s/s (3)	vivid green (*)	CE(O): Insignificant
8	0.94 ct	6.23 x 5.64 x 4.07 (mm)	s/s (3)	vivid green (*)	CE(O): None (***)
9	0.69 ct	6.11 x 5.37 x 3.01 (mm)	s/s (3)	intense to vivid green	CE(O): Insignificant
10	0.64 ct	5.63 x 5.07 x 3.36 (mm)	s/s (3)	vivid green	CE(O): Insignificant
11	0.75 ct	5.75 x 5.41 x 3.77 (mm)	s/s (3)	vivid green (*), (**)	CE(O): None
12	0.74 ct	5.75 x 5.15 x 3.84 (mm)	s/s (3)	vivid green (*), (**)	CE(O): Insignificant
13	0.69 ct	5.40 x 5.12 x 3.95 (mm)	s/s (3)	vivid green	CE(O): Insignificant (****)
14	0.58 ct	5.40 x 4.76 x 3.47 (mm)	s/s (3)	vivid green (*)	CE(O): None
15	0.53 ct	5.34 x 4.73 x 3.34 (mm)	s/s (3)	green	CE(O): Insignificant

Remark : *rounded from 3 digits (total weight is sum from 3 digit values)

s/s = step/step

(*) = Special comment see appendix

(**) = "Mariposa" (see appendix)

(***) = Non-enhanced clarity features (fissure) are eye visible.

(clarity potentially improvable by post-testing treatment)

(****) = 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 total 7.19 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 3 emeralds No.6, 11 and 12 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*

