

GEMSTONE REPORT
EDELSTEINBERICHT
RAPPORT DE PIERRE PRÉCIEUSE

No. GRS2022-098165
Date 5th September 2022
Object A set of 10 faceted gemstones
Identification 10 Natural Emeralds



Weight total 6.39 cts (details see appendix)
Dimensions see appendix
Cut step/step (3)
Shape octagonal
Color see appendix
Comment CE(O): Insignificant

Origin

Gemmological testing revealed characteristics corresponding to those of 10 natural emeralds from:

Colombia

GRS


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EuroGeol (European Geologist)

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Verification 
 2022-098165

Appendix to report no. GRS2022-098165 ap

No.	Weight *	Dimensions	Color	Comment
1	0.87 ct	6.06 x 5.58 x 3.83 (mm)	green	CE(O): Insignificant
2	0.75 ct	6.03 x 5.49 x 3.41 (mm)	vivid green	CE(O): Insignificant
3	0.68 ct	5.63 x 5.03 x 3.52 (mm)	vivid green (*)	CE(O): Insignificant
4	0.66 ct	5.42 x 4.95 x 3.74 (mm)	vivid green (*)	CE(O): Insignificant (**)
5	0.62 ct	5.14 x 5.13 x 3.73 (mm)	vivid green (*)	CE(O): Insignificant
6	0.61 ct	5.73 x 4.94 x 3.08 (mm)	vivid green (*)	CE(O): Insignificant
7	0.56 ct	5.18 x 4.83 x 3.50 (mm)	vivid green (*)	CE(O): Insignificant
8	0.56 ct	5.67 x 5.15 x 2.83 (mm)	green	CE(O): Insignificant
9	0.54 ct	5.17 x 4.62 x 3.62 (mm)	vivid green (*)	CE(O): Insignificant
10	0.49 ct	5.09 x 4.67 x 3.33 (mm)	vivid green (*)	CE(O): Insignificant

Remark :

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

(*) = Special comment see appendix

(**) = Minor non-enhanced clarity features (fissure) are eye visible.
 (clarity potentially improvable by post-testing treatment)

Nos. 7 and 9 = GRS-type "Mariposa"



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These vividly saturated 7 emeralds (Nos. 3, 4, 5, 6, 7, 9 and 10) 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 particular 2 emerald (No. 7 and 9) 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*

