

REPORT ID NBR: **AE1448P**  
 CODE: 12726-37  
 DATE (DD-MM-YY): 11/09/2021



09/11/2021



FAMILY/SPECIE: **NATURAL BERYL**  
 TRADE NAME: **EMERALD**  
 WEIGHT: 0.48 CARATS  
 COLOR: VIVID GREEN  
 SHAPE: HEART  
 DIMENSIONS: 5.16 x 5.10 x 3.13 mm.  
 CROWN CUT: BRILLIANT  
 PAVILLION CUT: STEP  
 COMMENT: **INSIGNIFICANT**  
 ORIGIN: **ZAMBIA**

#### TESTING METHODS & RESULTS

REFRACTIVE INDEX: 1.580 - 1.590  
 SPECIFIC GRAVITY: 2.72  
 POLARISCOPE: DR  
 SPECTROSCOPE 400-700NM: diagnostic absorption  
 STANDARD FLUORESCENCE LW/SW: not tested  
 DICHROSCOPE: NOT TESTED  
 COBALT/CHROMIUM FILTER: NOT TESTED  
 MICROSCOPE MAGNIFICATION 80X: standard observation;

*INFORMATION: Values specified are the most collected data during analysis, however they can deviate from theory depending on items specifications and testing conditions. Identification is based on all testing results taken into account possible deviation from theory. Specific gravity shall be considered purely indicative for gemstones of a weight inferior to 0.100ct. Absorption spectrum is solely specified if meaningful for identification purpose. Only key inclusions are specified.*

*Disclaimer: this online verification is itself does not suffice to guarantee neither the authenticity of a GPCO report nor that the item accompanying it is authentic and corresponds to the one analyzed. GPCO reports represent the opinion of accredited and experienced gemologists about the item at the time of examination. The Laboratory cannot have knowledge of any potential subsequent treatment or modification of the item. The laboratory shall not be liable for any mistake or omission. The use of this report for commercial purposes is solely under the responsibility of the trader.*

#### DATAS OF GEMSTONE ON THE LEFT OF THE PICTURE (PAIRS):

FAMILY/SPECIE: **NATURAL BERYL**  
 TRADE NAME: **EMERALD**  
 WEIGHT: 0.43 CARATS  
 COLOR: VIVID GREEN  
 SHAPE: HEART  
 DIMENSIONS: 5.12 x 5.10 x 3.22 mm.  
 CROWN CUT: BRILLIANT  
 PAVILLION CUT: STEP  
 COMMENT: **INSIGNIFICANT**  
 ORIGIN: **ZAMBIA**

#### TESTING METHODS & RESULTS

REFRACTIVE INDEX: 1.58 - 1.59  
 SPECIFIC GRAVITY: NOT TESTED  
 POLARISCOPE: DR  
 SPECTROSCOPE 400-700NM: diagnostic absorption  
 STANDARD FLUORESCENCE LW/SW: NOT TESTED 0  
 DICHROSCOPE: NOT TESTED  
 COBALT/CHROMIUM FILTER: NOT TESTED  
 MICROSCOPE MAGNIFICATION 80X: standard observation;

*INFORMATION: Values specified are the most collected data during analysis, however they can deviate from theory depending on items specifications and testing conditions. Identification is based on all testing results taken into account possible deviation from theory. Specific gravity shall be considered purely indicative for gemstones of a weight inferior to 0.100ct. Absorption spectrum is solely specified if meaningful for identification purpose. Only key inclusions are specified.*

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