

REPORT ID NBR: **AEP6102**  
 CODE: **31975-1**  
 DATE (DD-MM-YY): **12/11/2024**



REPORT



FAMILY/SPECIE: **NATURAL BERYL**  
 TRADE NAME: **EMERALD**  
 WEIGHT: **4.01 CARATS**  
 COLOR: **VIVID GREEN**  
 SHAPE: **SQUARE CUSHION**  
 DIMENSIONS: **8.89 x 8.85 x 7.32 mm.**  
 CROWN CUT: **SUGARLOAF**  
 PAVILLION CUT: **LOW CABOCHON**  
 COMMENT: **INSIGNIFICANT & MINOR**  
 ORIGIN: **ZAMBIA**

**TESTING METHODS & RESULTS**

REFRACTIVE INDEX: **1.580 - 1.590**  
 SPECIFIC GRAVITY: **2.77**  
 POLARISCOPE: **DR**  
 SPECTROSCOPE 400-700NM: **diagnostic absorption**  
 STANDARD FLUORESCENCE LW/SW: **NOT TESTED ☐**  
 DICHROSCOPE: **NOT TESTED**  
 COBALT/CHROMIUM FILTER: **NOT TESTED**  
 MICROSCOPE MAGNIFICATION BOX: **standard observation;**

IN/A **IN/A**

*INFORMATION: Values specified are the net collected data during analysis, however they can deviate from theory depending on item specificities 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 0.60cts. Absorption spectrum is solely specified if meaningful for identification purpose. Only key inclusions are specified.*

*Disclaimer: this online verification in itself does not suffice to guarantee neither the authenticity of a GFCO report nor that the item accompanying it is authentic and corresponds to the one analyzed. GFCO 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 purpose 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: **3.49 CARATS**  
 COLOR: **VIVID GREEN**  
 SHAPE: **SQUARE CUSHION**  
 DIMENSIONS: **8.66 x 8.64 x 6.36 mm.**  
 CROWN CUT: **SUGARLOAF**  
 PAVILLION CUT: **LOW CABOCHON**  
 COMMENT: **MINOR**  
 ORIGIN: **ZAMBIA**

**TESTING METHODS & RESULTS**

REFRACTIVE INDEX: **1.58 - 1.59**  
 SPECIFIC GRAVITY: **2.77**  
 POLARISCOPE: **DR**  
 SPECTROSCOPE 400-700NM: **diagnostic absorption**  
 STANDARD FLUORESCENCE LW/SW: **NOT TESTED ☐**  
 DICHROSCOPE: **NOT TESTED**  
 COBALT/CHROMIUM FILTER: **NOT TESTED**  
 MICROSCOPE MAGNIFICATION BOX: **standard observation;**

*INFORMATION: Values specified are the net collected data during analysis, however they can deviate from theory depending on item specificities 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 0.60cts. Absorption spectrum is solely specified if meaningful for identification purpose. Only key inclusions are specified.*

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