

REPORT ID NBR: **AEP1138**
 CODE: 19417-5
 DATE (DD-MM-YY): 09/12/2022



AEP1138



FAMILY/SPECIE: **NATURAL SPINEL**
 TRADE NAME: **BLUE COBALT SPINEL**
 WEIGHT: 1.19 CARATS
 COLOR: BLUE
 SHAPE: HEART
 DIMENSIONS: 6.54 x 6.87 x 4.12 mm.
 CROWN CUT: BRILLIANT
 PAVILLION CUT: STEP
 COMMENT: **NO HEAT - NO TREATMENT**
 ORIGIN: **TANZANIA**

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

FAMILY/SPECIE: **NATURAL SPINEL**
 TRADE NAME: **BLUE COBALT SPINEL**
 WEIGHT: 1.19 CARATS
 COLOR: BLUE
 SHAPE: HEART
 DIMENSIONS: 6.48 x 6.82 x 4.21 mm.
 CROWN CUT: BRILLIANT
 PAVILLION CUT: STEP
 COMMENT: **NO HEAT - NO TREATMENT**
 ORIGIN: **TANZANIA**

TESTING METHODS & RESULTS

REFRACTIVE INDEX: 1.715
 SPECIFIC GRAVITY: 3.61
 POLARISCOPE: SR
 SPECTROSCOPE 400-700NM: diagnostic absorbtion
 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 real collected data during analysis, beware they can deviate from theory depending on items 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. Absorbtion 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.

TESTING METHODS & RESULTS

REFRACTIVE INDEX: 1.72
 SPECIFIC GRAVITY: 3.61
 POLARISCOPE: SR
 SPECTROSCOPE 400-700NM: diagnostic absorbtion
 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 real collected data during analysis, beware they can deviate from theory depending on items 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. Absorbtion spectrum is solely specified if meaningful for identification purpose. Only key inclusions are specified.

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