

REPORT ID NBR: **AEP7531**
 CODE: 34789-16
 DATE (DD-MM-YY): 03/04/2025

**DATA OF GESMTONE ON THE LEFT:**

FAMILY/SPECIE: NATURAL SPINEL
TRADE NAME: PINK SPINEL
WEIGHT: 0.77 CARATS
COLOR: PINK
SHAPE: OVAL
DIMENSIONS: 6.28 x 5.17 x 3.33 mm.
CROWN CUT: BRILLIANT
PAVILLION CUT: STEP
COMMENT: NO HEAT - NO TREATMENT
ORIGIN: TANZANIA, MAHENGE

DATA OF GESMTONE ON THE RIGHT:

FAMILY/SPECIE: NATURAL SPINEL
TRADE NAME: PINK SPINEL
WEIGHT: 0.70 CARATS
COLOR: PINK
SHAPE: OVAL
DIMENSIONS: 6.16 x 5.01 x 3.04 mm.
CROWN CUT: BRILLIANT
PAVILLION CUT: STEP
COMMENT: NO HEAT - NO TREATMENT
ORIGIN: TANZANIA, MAHENGE

TESTING METHODS & RESULTS OF FIRST GEMSTONE:

REFRACTIVE INDEX: 1.720
 SPECIFIC GRAVITY: 3.67
 POLARISCOPE: SR
 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;

TESTING METHODS & RESULTS OF SECOND GEMSTONE:

REFRACTIVE INDEX: 1.72
 SPECIFIC GRAVITY: 3.68
 POLARISCOPE: SR
 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 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. Absorption spectrum is solely specified if meaningful for identification purpose. Only key inclusions are specified.

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REPORT ID NBR: **AEP7223**
 CODE: **34301-44**
 DATE (DD-MM-YY): **12/03/2025**



FAMILY/SPECIE: **NATURAL SPINEL**
 TRADE NAME: **PINK SPINEL**
 WEIGHT: **0.72 CARATS**
 COLOR: **VIVID PINK**
 SHAPE: **OCTAGON**
 DIMENSIONS: **6.45 x 4.01 x 2.93 mm.**
 CROWN CUT: **STEP**
 PAVILLION CUT: **STEP**
 COMMENT: **NO HEAT - NO TREATMENT**
 ORIGIN: **TANZANIA, MAHENGE**

TESTING METHODS & RESULTS

REFRACTIVE INDEX: **1.720**
 SPECIFIC GRAVITY: **3.60**
 POLARISCOPE:
 SPECTROSCOPE 400-700NM: **diagnostic absorption**
 STANDARD FLUORESCENCE LW/SW: **NOT TESTED 0**
 DICHROSCOPE: **NOT TESTED**
 COBALT/CHROMIUM FILTER: **NOT TESTED**
 MICROSCOPE MAGNIFICATION BOX: **standard observation;**

INFORMATION: Values specified are the real collected data during analysis, however they can deviate from theory depending on items specific and testing conditions. Identification is based on offering results taken into account possible deviation from theory. Specific gravity shall be considered purely indicative for gemstones of a weight inferior to 0.80cts. Absorbance spectrum is solely specified if meaningful for identification purpose. Only key inclusions are specified.

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

FAMILY/SPECIE: **NATURAL SPINEL**
 TRADE NAME: **PINK SPINEL**
 WEIGHT: **0.66 CARATS**
 COLOR: **VIVID PINK**
 SHAPE: **OCTAGON**
 DIMENSIONS: **6.48 x 4.02 x 2.72 mm.**
 CROWN CUT: **STEP**
 PAVILLION CUT: **STEP**
 COMMENT: **NO HEAT - NO TREATMENT**
 ORIGIN: **TANZANIA, MAHENGE**

TESTING METHODS & RESULTS

REFRACTIVE INDEX: **1.72**
 SPECIFIC GRAVITY: **3.67**
 POLARISCOPE:
 SPECTROSCOPE 400-700NM: **diagnostic absorption**
 STANDARD FLUORESCENCE LW/SW: **NOT TESTED 0**
 DICHROSCOPE: **NOT TESTED**
 COBALT/CHROMIUM FILTER: **NOT TESTED**
 MICROSCOPE MAGNIFICATION BOX: **standard observation;**

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REPORT ID NBR: **AAP54252**
 CODE: 34301-8
 DATE (DD-MM-YY): 12/03/2025



FAMILY/SPECIE: NATURAL SPINEL
TRADE NAME: PINK SPINEL
WEIGHT: 0.67 CARATS
COLOR: VIVID PINK
SHAPE: PEAR
DIMENSIONS: 7.67 x 4.86 x 2.83 mm.
CROWN CUT: BRILLIANT
PAVILLION CUT: STEP (3)
COMMENT: NO HEAT - NO TREATMENT
ORIGIN: TANZANIA, MAHENGE

TESTING METHODS & RESULTS

REFRACTIVE INDEX: 1.720
SPECIFIC GRAVITY: 3.53
POLARISCOPE: SR
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;

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REPORT ID NBR: **AAP54258**
 CODE: 34301-14
 DATE (DD-MM-YY): 12/03/2025



FAMILY/SPECIE: NATURAL SPINEL
TRADE NAME: PINK SPINEL
WEIGHT: 0.85 CARATS
COLOR: VIVID PINK
SHAPE: PEAR
DIMENSIONS: 7.21 x 4.95 x 3.54 mm.
CROWN CUT: BRILLIANT
PAVILLION CUT: STEP (4)
COMMENT: NO HEAT - NO TREATMENT
ORIGIN: TANZANIA, MAHENGE

TESTING METHODS & RESULTS

REFRACTIVE INDEX: 1.720
SPECIFIC GRAVITY: 3.70
POLARISCOPE: SR
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;

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