



GIA®

GIA GEMOLOGICAL REPORT

SPINEL ORIGIN REPORT

GIA REPORT 2516534765

March 10, 2025

DETAILS

Shape..... Heart
 Cutting Style: Crown Brilliant Cut
 Cutting Style: Pavilion Step Cut
 Transparency Transparent
 Color..... Pink

RESULTS

Species..... Natural Spinel
 Geographic Origin Tanzania

TREATMENT

No Indications of Heating

Item Description: One loose stone

Weight: 2.91 carats

Measurements: 8.25 x 10.53 x 4.73 mm

Comments: Any statement on geographic origin is an expert opinion based on a collection of observations and analytical data.

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To learn more about how GIA determines and classifies gemstone origin, as well as maps describing localities, go to reportcheck.gia.edu to view this report.



Image is approximate

reportcheck.gia.edu

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EXAMINATION RESULTS



GRS Report Number	GRS2025-030568
Date	22 nd May 2025
Object Description	One faceted gemstone
Identification	Natural Spinel
Weight	4.87 ct
Dimensions	12.23 x 9.15 x 5.72 (mm)
Cut	brilliant/step (4)
Shape	oval
Color	orangy-pink
Comments	No indication of thermal treatment (PL tested)
Origin	Tanzania

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Disclaimer

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REPORT ID NBR: **AAP54257**
 CODE: 34301-13
 DATE (DD-MM-YY): 12/03/2025



FAMILY/SPECIE: NATURAL SPINEL
TRADE NAME: PINK SPINEL
WEIGHT: 0.77 CARATS
COLOR: VIVID PINK
SHAPE: PEAR
DIMENSIONS: 6.41 x 5.59 x 3.31 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: 3.67
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;

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.

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.

REPORT ID NBR: **AEP7225**
 CODE: 34301-45
 DATE (DD-MM-YY): 12-03-25



FAMILY/SPECIE: NATURAL SPINEL
TRADE NAME: PINK SPINEL
WEIGHT: 0.82 CARATS
COLOR: VIVID PINK
SHAPE: PEAR
DIMENSIONS: 6.81 x 5.01 x 3.55 mm.
CROWN CUT: BRILLIANT
PAVILLION CUT: STEP
COMMENT: NO HEAT - NO TREATMENT
ORIGIN: TANZANIA, MAHENGE

TESTING METHODS & RESULTS

REFRACTIVE INDEX: 1.720
SPECIFIC GRAVITY: 3.73
POLARISCOPE:
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: **AEP7527**
 CODE: 34789-14
 DATE (DD-MM-YY): 03/04/2025

**DATA OF GESMTONE ON THE LEFT:**

FAMILY/SPECIE: NATURAL SPINEL
TRADE NAME: PINK SPINEL
WEIGHT: 0.71 CARATS
COLOR: PINK
SHAPE: OVAL
DIMENSIONS: 6.05 x 4.93 x 3.20 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: 0.71 CARATS
COLOR: PINK
SHAPE: OVAL
DIMENSIONS: 6.09 x 5.01 x 3.23 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: 3.74
 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: 3.74
 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: **AEP7231**
 CODE: **34301-48**
 DATE (DD-MM-YY): **12/03/2025**



REPORT



FAMILY/SPECIE: NATURAL SPINEL
TRADE NAME: PINK SPINEL
WEIGHT: 0.86 CARATS
COLOR: VIVID PINK
SHAPE: PEAR
DIMENSIONS: 6.77 x 5.07 x 3.79 mm.
CROWN CUT: BRILLIANT
PAVILLION CUT: STEP
COMMENT: NO HEAT - NO TREATMENT
ORIGIN: TANZANIA, MAHENGE

TESTING METHODS & RESULTS

REFRACTIVE INDEX: 1.720
SPECIFIC GRAVITY: 3.91
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;

DISCLAIMER: Values specified are the most collected data during analysis, however they can deviate from theory depending on item specificities and testing conditions. Identification is based on affecting 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: 0.72 CARATS
COLOR: VIVID PINK
SHAPE: PEAR
DIMENSIONS: 7.06 x 4.95 x 3.09 mm.
CROWN CUT: BRILLIANT
PAVILLION CUT: STEP
COMMENT: NO HEAT - NO TREATMENT
ORIGIN: TANZANIA, MAHENGE

TESTING METHODS & RESULTS

REFRACTIVE INDEX: 1.72
SPECIFIC GRAVITY: 3.60
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;

DISCLAIMER: Values specified are the most collected data during analysis, however they can deviate from theory depending on item specificities and testing conditions. Identification is based on a few testing 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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GEMMOLOGICAL REPORT | RAPPORT GEMMOLOGIQUE

Bellerophon Gemlab S.A.S
16 Place Vendôme, 75001 Paris France

REPORT No. B41965
March 17, 2025

Most of the data collected on your item is available online. It may include FTIR, EDXRF, PL532, PL313, UV-vis, LIBS and/or Raman

DETAILS & RESULTS

Description Two transparent gemstones
Weight 1.111 & 1.293 ct
Measurements 7.28 x 5.64 x 3.63 & 7.34 x 5.53 x 4.13 mm
Shape Oval
Identification Natural S P I N E L S
Colour Vivid Pink

Comment: No indications of any treatment

Geographic Origin: Tanzania (Mahenge)
Spinel from Tanzania formed ~650 m.y.a

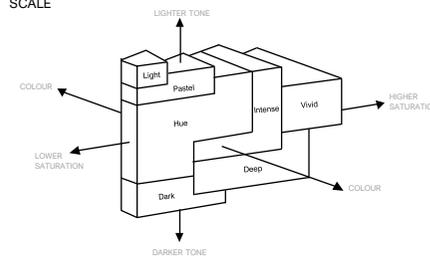
These gemstones may be called "Vibrant" due to their ideal cutting proportions.

Fluorescence : Strong

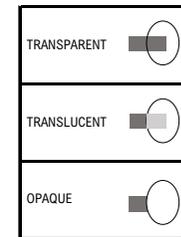


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M.P.H. Curti, GG
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Gemmologist

Verify and download digital report at bellerophonlab.com. Included 360 video & 3D scan

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VERIFICATION