

GEMSTONE REPORT

EDELSTEINBERICHT
RAPPORT DE PIERRE PRÉCIEUSE

PLATINUM RARITY AWARD ISSUE

No. GRS2021-012005 (Award No. 2895)
Date 15th January 2021
Object One magnificent gemstone
Identification Natural Cobalt - Spinel

Origin

Gemmological testing revealed characteristics corresponding to those of a natural cobalt - spinel from:

Vietnam

Special comment see appendix



GRS



Weight 5.02 ct
Dimensions 11.06 x 9.11 x 6.58 (mm)
Cut brilliant/step (4)
Shape cushion
Color blue (GRS-type "royal peacock blue")
Comment No indication of thermal treatment
(PL tested)


Dr. A. Peretti, FGG FGA
Eur-Geol (European Geologist)

GRS GEMRESEARCH
SWISSLAB®
www.gemresearch.ch



2021-012005

Verification

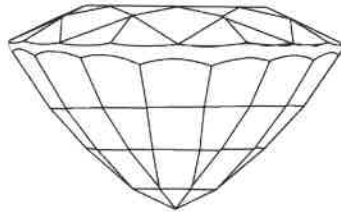




Imaging

Images do not accurately portray size or color.

Accu-Vu™ Imaging:



Comments:

This diagram is an example and does not represent the actual facet arrangement of the item described

General Report Comments:

Document No: 1145206

Validation Date: 19 December 2024

Identification

Mineral Type: Natural Spinel

Transparency: Transparent

Variety: Cobalt

Color Description: Blue

Carat Weight: Stated by Client 5.02 cts

Shape: Cushion

Measurements: Approx. 11.05 x 9.10 x 6.5 mm

Cutting Style: Mixed Cut

Comments: Set in a white and rose metal ring with numerous round diamonds (identified at random).

Identification

Origin

Provenance: Classic™ Vietnam



Comments: Based on available gemological information, it is the opinion of the Laboratory that the origin of this material would be classified as Classic™ Vietnam.

Origin

Enhancement

Standard: No gemological evidence of heat

Additional: Clarity enhancement: None

Comments: No gemological evidence of enhancements/treatments present.

Enhancement

1	2	3	4	5	6	7	8	9	10
Excellent	Very Good	Good	Fair	Poor					

Enhancement Stability Index™

None	Insignificant	Minor	Moderate	Strong	Prominent
Extremely Rare	Very Rare	Rare	Uncommon	Common	Very Common

Degree of Clarity Enhancement & Relative Rarity™

M. Chaipaksa
Monruedee Chaipaksa, Senior Gemologist

Christopher P. Smith
Christopher P. Smith, President



AGL

AMERICAN GEMOLOGICAL LABORATORIES

19 December 2024

Natural Cobalt Spinel and Diamond Ring,

Stated by Client Weight: 5.02 cts

Reference: 1145206

To whom it may concern,

Spinel is one of the most intriguing minerals for the connoisseur of fine gems. It occurs in a wide range of colors, including outstanding vibrant hues of pink to red and violet to blue. It is a tribute to the intense red colors of spinel that it had been mistaken as ruby for centuries. In fact, a number of historical gems were thought to have been ruby, were later identified to be spinel. Examples include the 170 carat spinel known as the "Black Prince's Ruby" which now adorns the Imperial State Crown of England and was previously worn by Henry V on his battle helmet - as well as Russia's 414 carat "Imperial Crown Ruby" and England's 352 carat "Timur Ruby", both of which were discovered to be spinel of striking beauty and importance. Although there was a period of time when spinel lost some of its allure with fine jewelers, today spinel has once again achieved the high status it deserves and has become one of the more intriguing colored gemstones incorporated into fine jewelry.

Historically, spinel is known to occur in a select number of localities around the world, including Burma (Myanmar), Ceylon (Sri Lanka) and Tajikistan. However, gem-quality spinel is actually recovered from a number of countries and deposits including Tanzania, Madagascar and Vietnam, as well as others. These alternative sources may also produce gems of exceptional quality.

Although spinel occurs in a broad spectrum of colors, the blue color of spinel that is due primarily to the element cobalt (Co) is considered the rarest. The 5.02 carat spinel described in report No. 1145206 is just one of these exemplary gems. Owing its color primarily to this element, this gemstone is classified as a Cobalt Spinel. Furthermore, this spinel has received one of the highest origin determinations issued by AGL: Classic™ Vietnam.