

PICTURE OF ITEM(S)



Picture is not actual size. The color of the item(s)
and the color of the picture may be different.

ALGT COLORED STONE IDENTIFICATION REPORT

IDENTIFICATION

Species Natural Corundum
Variety Sapphire

DESCRIPTION

Shape & Cutting Style Pear, Mixed Cut
Measurements 9.36 x 7.01 x 4.99 mm
Carat Weight 2.31 Carat
Color Vivid/Deep Blue
Transparency Transparent

ADDITIONAL GRADING CHARACTERISTICS

Trade Color Name Royal Blue
Color Quality Grade Extra Fine Color Quality
Origin Madagascar

Origin determination is an expert opinion based on microscopic examination, spectroscopic features and chemical trace element analysis.

COMMENTS

Indications of heating present.

MAIN PROPERTIES OF SAPPHIRE

Chemical Composition Al_2O_3
Crystal System Trigonal
Mohs Hardness 9.0
Specific Gravity 3.97 - 4.10 g/cm^3
Optical Character Uniaxial-
Refractive Index 1.757 - 1.779
Birefringence 0.008 - 0.009

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