

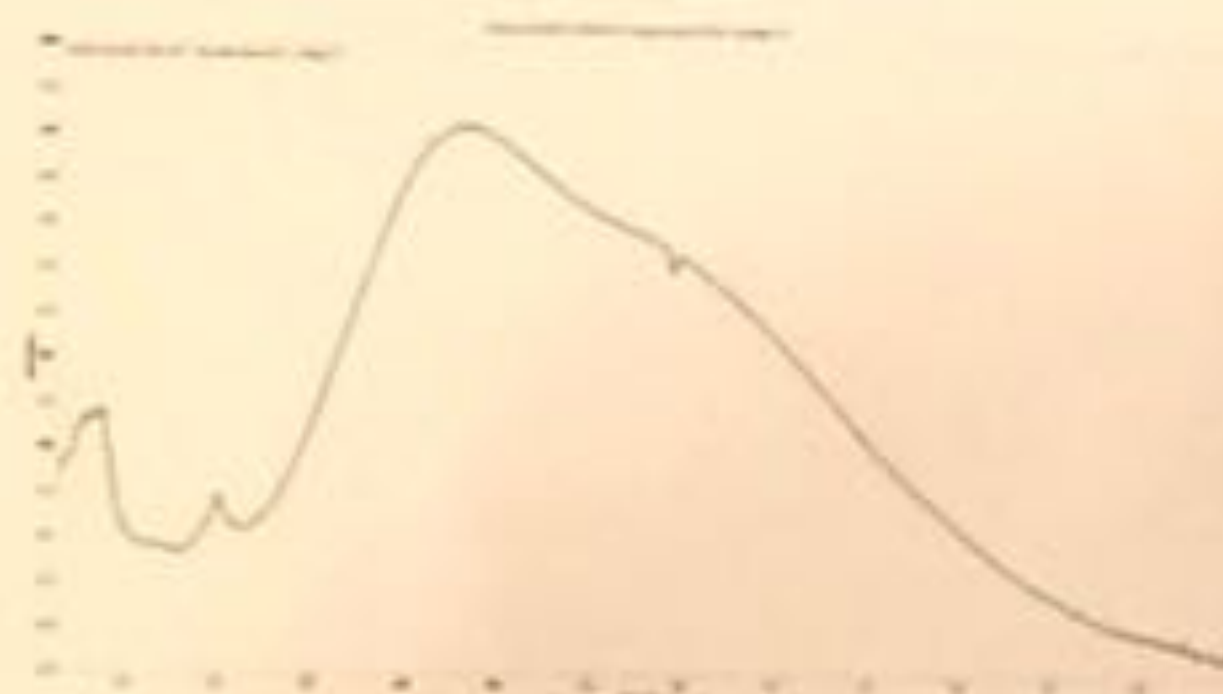
29 April, 2025
ALGT REPORT NUMBER: 05619921

PICTURE OF ITEM(S)



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

UV-VIS-NIR SPECTRUM



ALGT COLORED STONE IDENTIFICATION REPORT

IDENTIFICATION

Species Natural Corundum
Variety Sapphire

DESCRIPTION

Shape & Cutting Style Cushion, Mixed Cut
Measurements 10.55 x 9.27 x 6.68 mm
Carat Weight 6.13 Carat
Color Intense/vivid Blue
Transparency Transparent

ADDITIONAL GRADING CHARACTERISTICS

Color Quality Grade Fine Color Quality
Origin Sri Lanka (Ceylon)

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

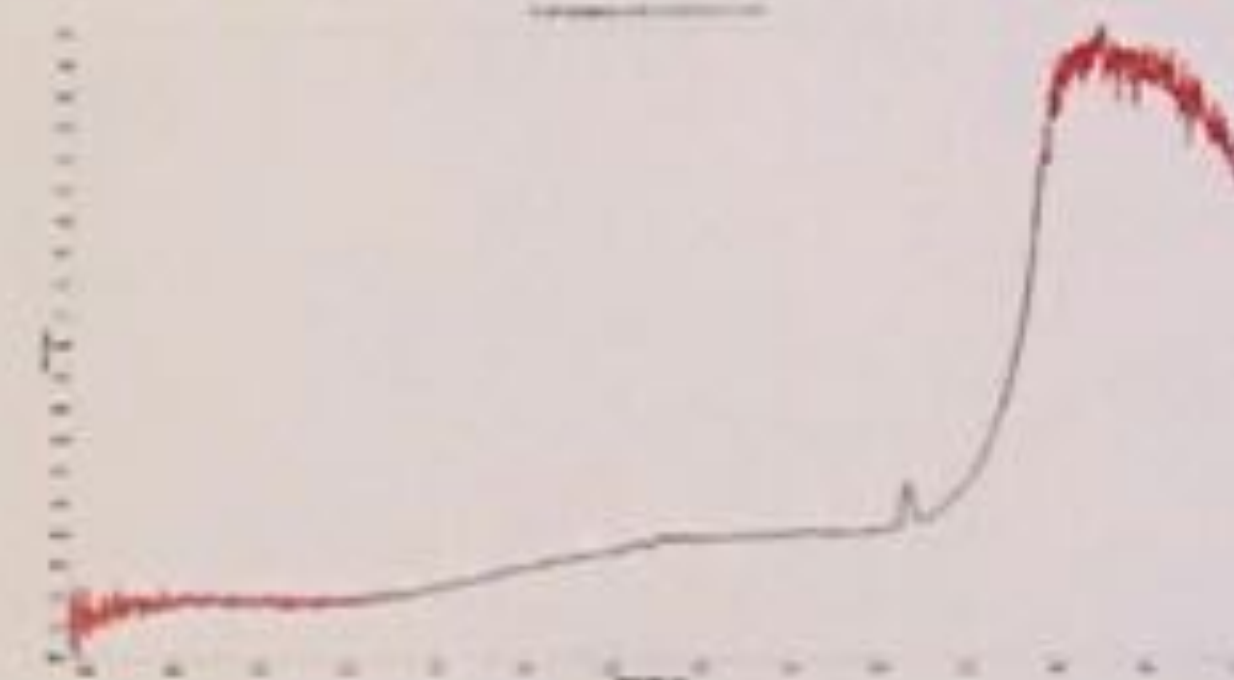
COMMENTS

No indications of heating.

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

FTIR SPECTRUM



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TERMS AND CONDITIONS ON REVERSE