28 March, 2025

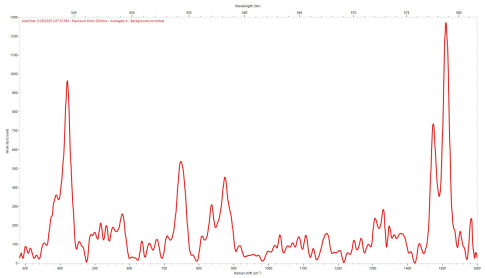
ALGT REPORT NUMBER: 57360828

PICTURE OF ITEM(S)



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

RAMAN SPECTRUM



ALGT
Antwerp Laboratory for Gemstone Testing

ALGT COLORED STONE IDENTIFICATION REPORT

IDENTIFICATION

Species ..... Natural Corundum
Variety ..... Sapphire

DESCRIPTION

Shape & Cutting Style ..... Oval, Mixed Cut
Measurements ..... 11.89 x 8.66 x 5.93 mm
Carat Weight ..... 5.22 Carat
Color ..... Blue (Purplish)
Transparency ..... Transparent

ADDITIONAL GRADING CHARACTERISTICS

Origin ..... Sri Lanka (Ceylon)

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

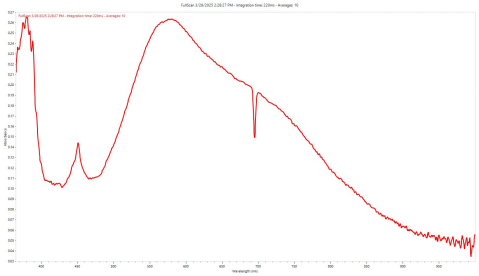
COMMENTS

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

UV-VIS-NIR SPECTRUM



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TERMS AND CONDITIONS ON REVERSE