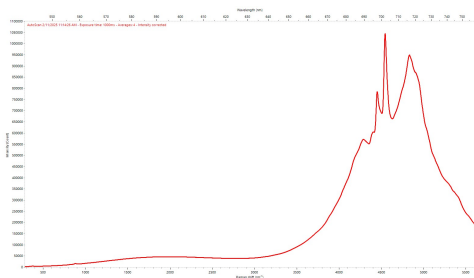


PICTURE OF ITEM(S)



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

RAMAN PL SPECTRUM



ALGT COLORED STONE IDENTIFICATION REPORT

IDENTIFICATION

Species Natural Garnet
 Variety Grossular, Tsavorite

DESCRIPTION

Shape & Cutting Style Cushion, Mixed Cut
 Measurements 6.63 x 5.58 x 4.80 mm
 Carat Weight 1.56 Carat
 Color Vivid/Deep Green
 Transparency Transparent

ADDITIONAL GRADING CHARACTERISTICS

Color Quality Grade Extra Fine Color Quality
 Origin Kenya/Tanzania
 Origin determination is an expert opinion based on microscopic examination, spectroscopic features and chemical trace element analysis.

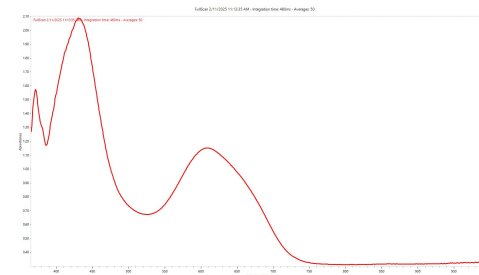
COMMENTS

No indications of treatment.

MAIN PROPERTIES OF TSAVORITE

Chemical Composition $\text{Ca}_3\text{Al}_2(\text{SiO}_4)_3$
 Crystal System Cubic
 Mohs Hardness 7.0 - 7.5
 Specific Gravity 3.55 - 3.73 g/cm³
 Optical Character Isotropic
 Refractive Index 1.732 - 1.743

UV-VIS-NIR SPECTRUM



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