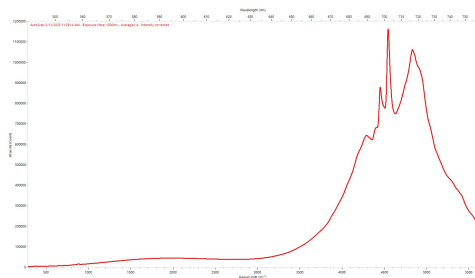


PICTURE OF ITEM(S)



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 Pear, Mixed Cut
Measurements 8.80 x 6.70 x 5.47 mm
Carat Weight 2.25 Carat
Color Vivid/Deep Green
Transparency Transparent

ADDITIONAL GRADING CHARACTERISTICS

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

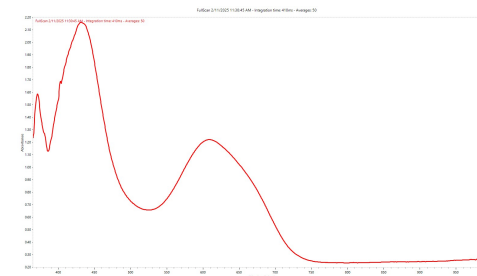
COMMENTS

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/cm^3
Optical Character Isotropic
Refractive Index 1.732 - 1.743

UV-VIS-NIR SPECTRUM



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