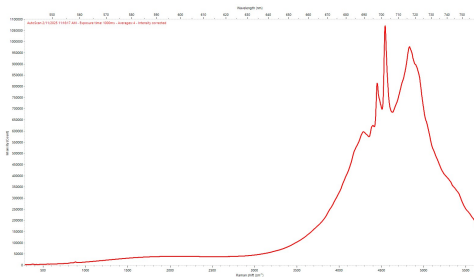


PICTURE OF ITEM(S)



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 ..... 7.65 x 5.44 x 4.15 mm  
Carat Weight ..... 1.08 Carat  
Color ..... Vivid 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.

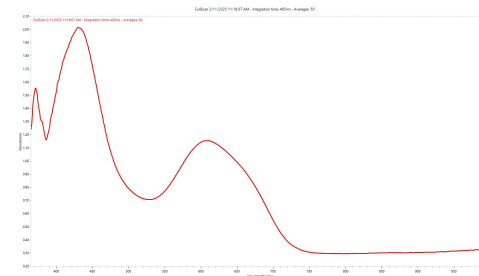
COMMENTS

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<sup>3</sup>  
Optical Character ..... Isotropic  
Refractive Index ..... 1.732 - 1.743

UV-VIS-NIR SPECTRUM



Please visit our website  
for more information:  
[www.algtlabs.com](http://www.algtlabs.com)



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