22 October, 2021

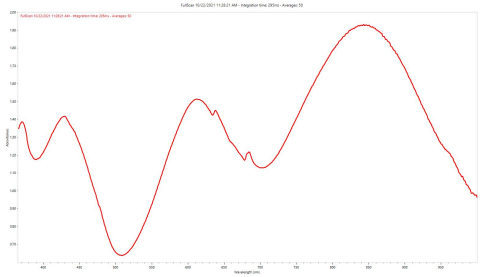
ALGT REPORT NUMBER: 96597233

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
Antwerp Laboratory for Gemstone Testing

ALGT COLORED STONE IDENTIFICATION REPORT

IDENTIFICATION

Species ..... Natural Beryl
Variety ..... Emerald

DESCRIPTION

Shape & Cutting Style ..... Octagon Emerald, Step Cut
Measurements ..... 9.09 x 6.84 x 5.03 mm
Carat Weight ..... 2.17 Carat
Color ..... Vivid/Deep Green
Transparency ..... Transparent

ADDITIONAL GRADING CHARACTERISTICS

Color Quality Grade ..... Fine Color Quality
Suggested Origin ..... Zambia

COMMENTS

Moderate amount of oil in fissures.
Oiling in emeralds is a common practice in trade. This enhancement is reversible at any time.

MAIN PROPERTIES OF EMERALD

Chemical Composition ..... $Be_3Al_2(SiO_3)_6$
Crystal System ..... Hexagonal
Mohs Hardness ..... 7.5 - 8.0
Specific Gravity ..... 2.62 - 2.80 g/cm^3
Optical Character ..... Uniaxial-
Refractive Index ..... 1.560 - 1.602
Birefringence ..... 0.004 - 0.010

Please visit our website for more information: www.algtlabs.com

Reportcheck QR

TERMS AND CONDITIONS ON REVERSE