

PICTURE OF ITEM(S)



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

ALGT COLORED STONE IDENTIFICATION REPORT

IDENTIFICATION

Species ..... Natural Corundum  
Variety ..... Greenish Blue Sapphire

DESCRIPTION

Shape & Cutting Style ..... Modified Octagon, Step Cut  
Measurements ..... 5.86 x 4.52 x 3.78 mm  
Carat Weight ..... 1.03 Carat  
Color ..... Deep Greenish Blue  
Transparency ..... Transparent

ADDITIONAL GRADING CHARACTERISTICS

Suggested Origin ..... Metamorphic, Southeast Africa

COMMENTS

No indication 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

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