

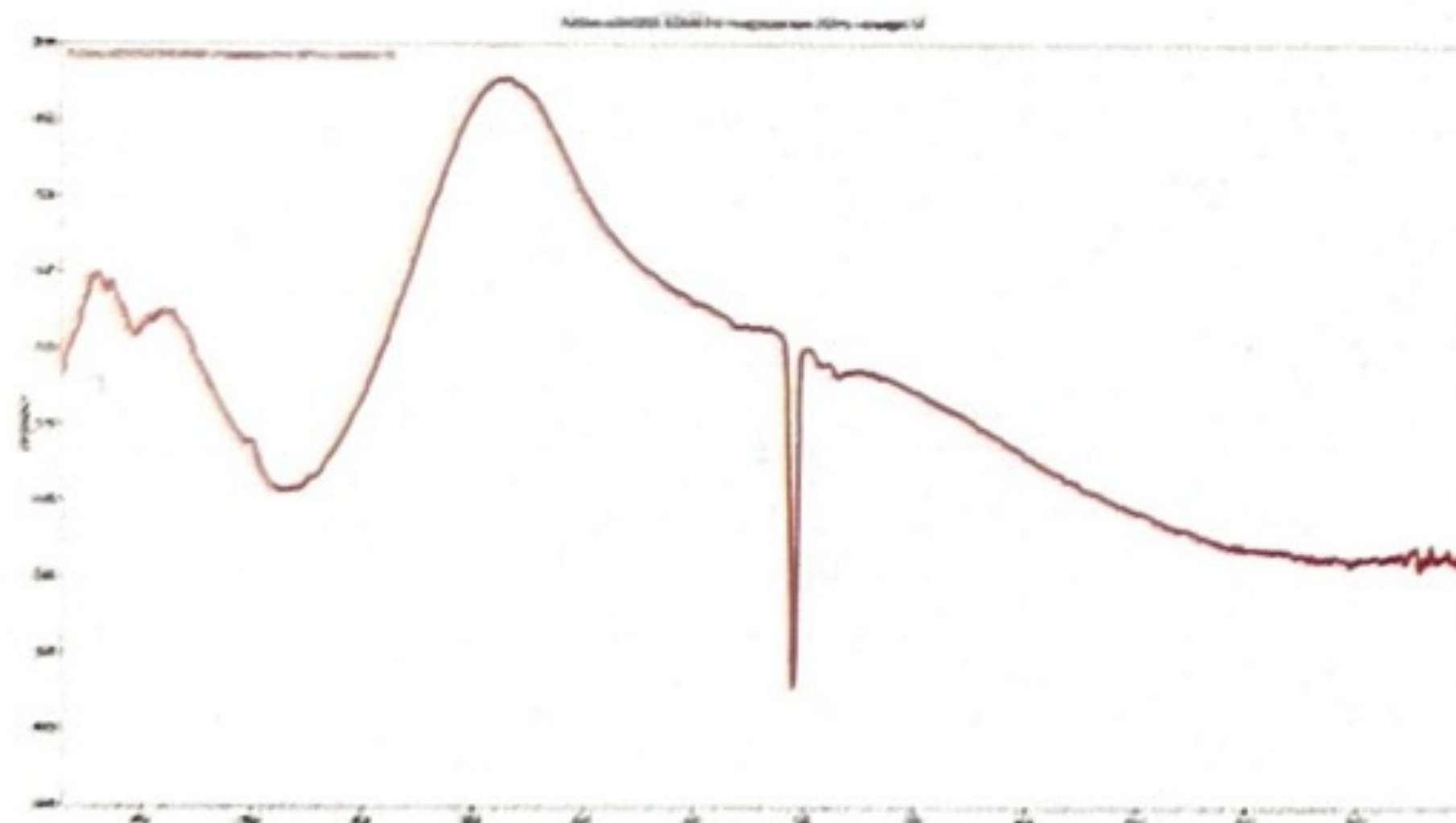
29 April, 2025  
ALGT REPORT NUMBER: 66166834

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 Corundum  
Variety ..... Purplish Blue Sapphire

DESCRIPTION

Shape & Cutting Style ..... Oval, Mixed Cut  
Measurements ..... 12.76 x 10.98 x 5.97 mm  
Carat Weight ..... 7.17 Carat  
Color ..... Purplish Blue  
Transparency ..... Transparent

ADDITIONAL GRADING CHARACTERISTICS

Origin ..... Sri Lanka (Ceylon)  
Origin determination is an expert opinion based on microscopic examination, spectroscopic features and chemical trace element analysis.

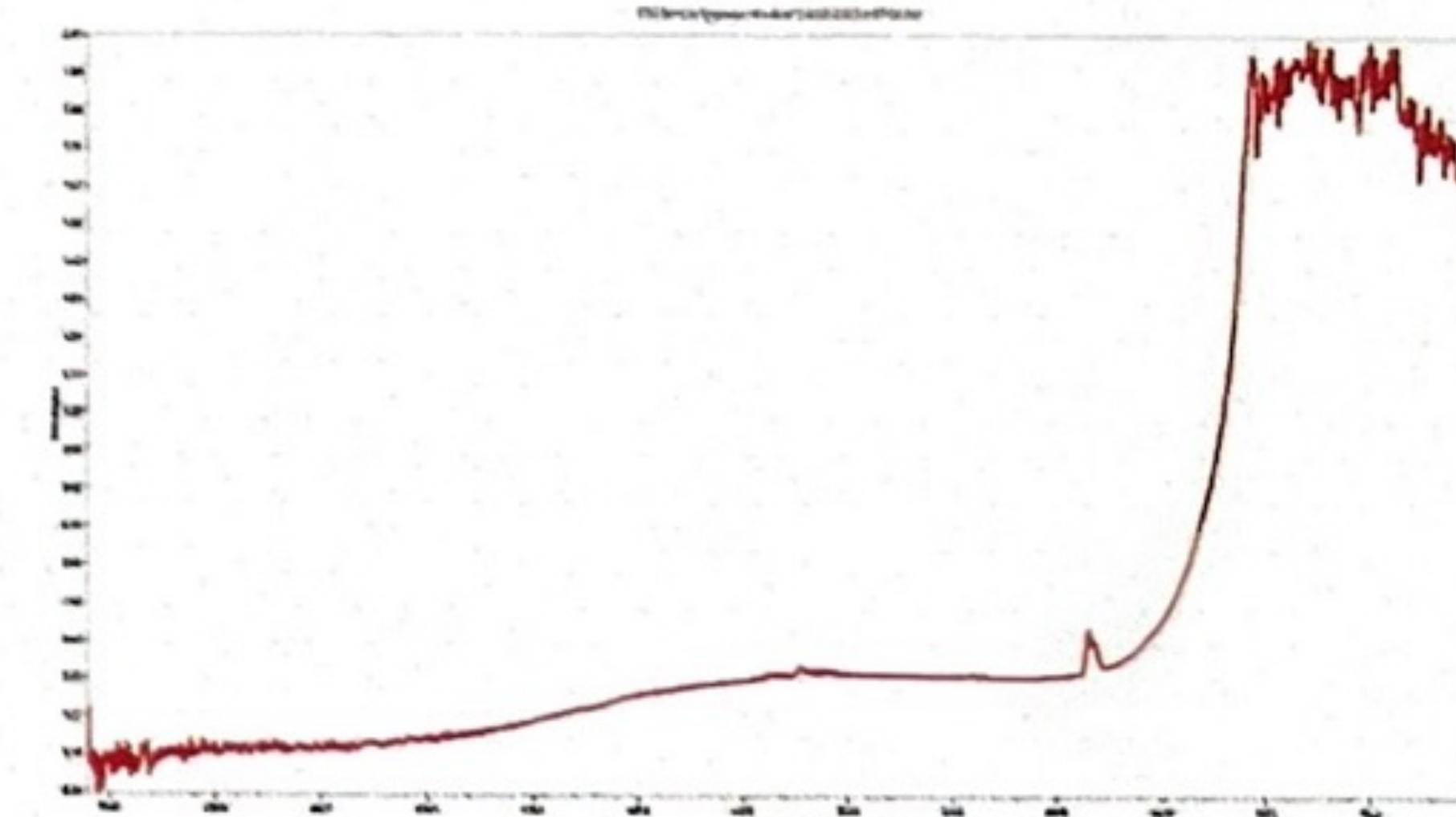
COMMENTS

No indications of heating.

MAIN PROPERTIES OF SAPPHIRE

Chemical Composition .....  $\text{Al}_2\text{O}_3$   
Crystal System ..... Trigonal  
Mohs Hardness ..... 9.0  
Specific Gravity ..... 3.97 - 4.10  $\text{g/cm}^3$   
Optical Character ..... Uniaxial-  
Refractive Index ..... 1.757 - 1.779  
Birefringence ..... 0.008 - 0.009

FTIR SPECTRUM



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[www.algtlabs.com](http://www.algtlabs.com)



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TERMS AND CONDITIONS ON REVERSE