



GEMMOLOGICAL REPORT

image is approximate

Date 26-Aug-20
 Report number R-202032142

Weight 0.489 carat
 Measurements 5.72 x 3.96 x 3.01 mm
 Shape Pear

Identification Natural Cobalt Spinel
 Colour Blue

Comment : No indication of any treatment

Origin determination: Vietnam
 Spinelns from Vietnam were formed some 25 million years ago.

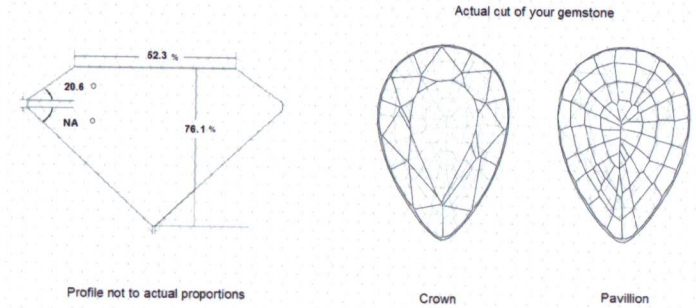
T. Rozet, ATC



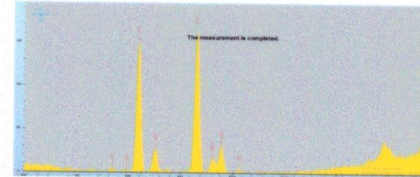
M.P.H Curti, GG

GEMMOLOGICAL PROPERTIES

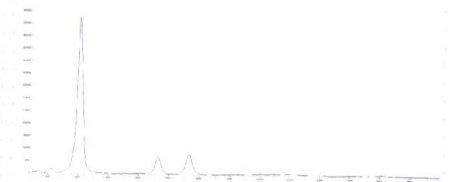
The data collected on your item is valid at the issuance date of this report



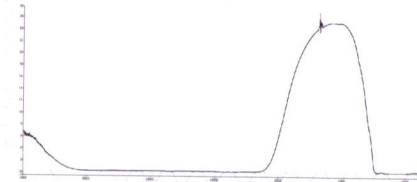
Energy-dispersive X-ray fluorescence spectroscopy



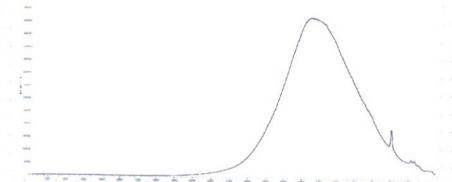
Raman Spectroscopy



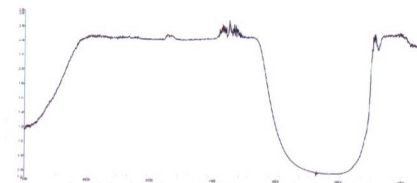
Fourier-transform infrared spectroscopy (T%)



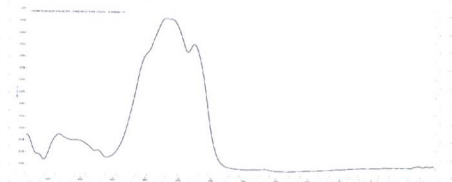
Photoluminescence



Fourier-transform infrared spectroscopy (A)



Ultraviolet-visible spectroscopy



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