



image is approximate

GEMMOLOGICAL REPORT

Date 19-Mar-20

Report number R-202027998

Weight 3.059 carats

Measurements 9.48 x 7.31 x 5.11 mm

Shape Cushion

Identification Natural Spinel

Colour Pink

Comment : No Indication of any treatment

Origin determination: Vietnam

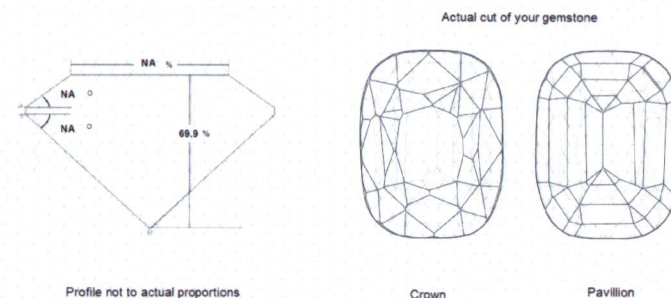
Spinels from Vietnam were formed some 25 million years ago



Dr. D. Schwarz

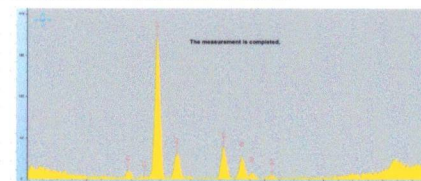



M.P.H Curti, GG



Length	9.48	Width	7.31	Height	5.11
Ratio	1.30	Crown Angle	NA	Pavillion Angle	NA

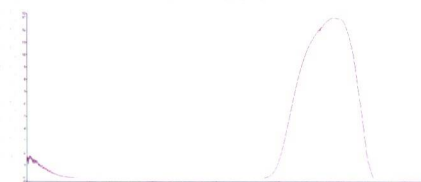
Energy-dispersive X-ray fluorescence spectroscopy



Raman Spectroscopy



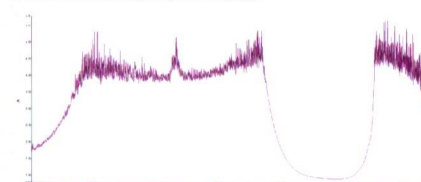
Fourier-transform infrared spectroscopy (T%)



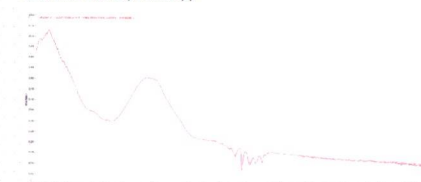
Photoluminescence



Fourier-transform infrared spectroscopy (A)



Ultraviolet-visible spectroscopy


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