



image is approximate

GEMMOLOGICAL REPORT

Date 19-Mar-20

Report number R-202027994

Weight 3.324 carats

Measurements 8.39 x 6.95 x 5.94 mm

Shape Octagonal

Identification Natural Sapphire

Colour Blue

Comment : No Indication of thermal treatment

Origin determination: Ceylon (Sri Lanka)

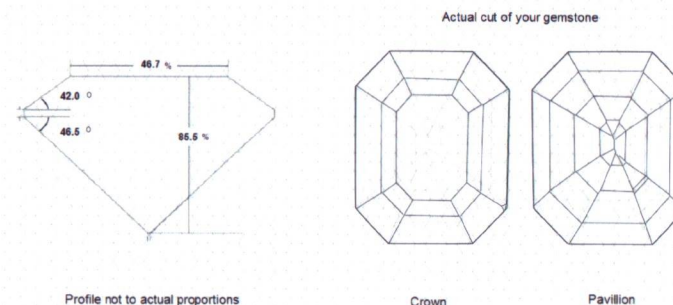
Sapphires from Sri Lanka were formed some 550 million years ago



Dr. D. Schwarz

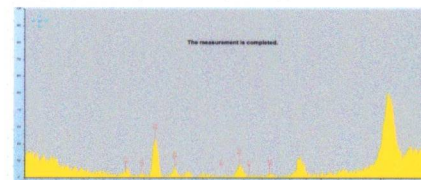



M.P.H. Curti, GG

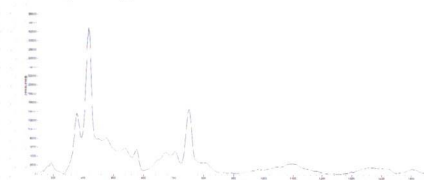


Length	8.39	Width	6.95	Height	5.94
Ratio	1.21	Crown Angle	42.0	Pavilion Angle	46.5

Energy-dispersive X-ray fluorescence spectroscopy



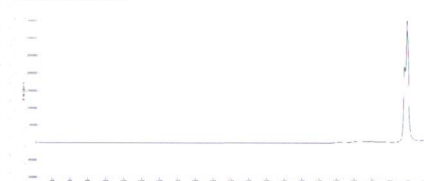
Raman Spectroscopy



Fourier-transform infrared spectroscopy (T%)



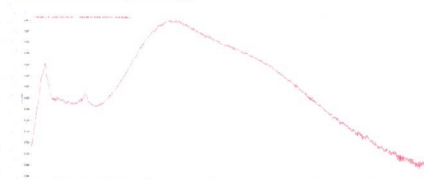
Photoluminescence



Fourier-transform infrared spectroscopy (A)



Ultraviolet-visible spectroscopy


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