



## GEMMOLOGICAL REPORT

image is approximate

Date ..... 13-Jan-20

Report number ..... R-202024224

Weight ..... 5.000 carats

Measurements ..... 10.52 x 9.10 x 6.34 mm

Shape ..... Oval

Identification ..... Natural Sapphire

Colour ..... Vivid Violet

Comment : No Indication of thermal treatment

Origin determination: Madagascar

Madagascar sapphires were formed some 630 million years ago



Dr. D. Schwarz

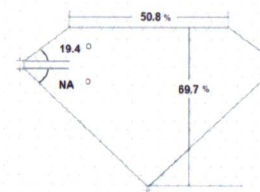



M.P.H. Curti, GG

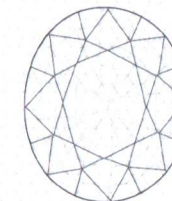
## GEMMOLOGICAL PROPERTIES

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

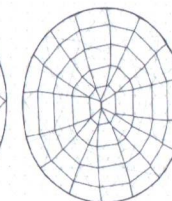
Actual cut of your gemstone



Profile not to actual proportions



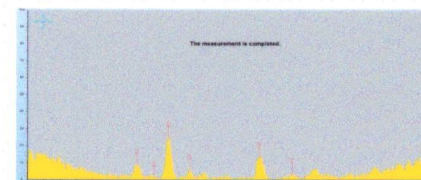
Crown



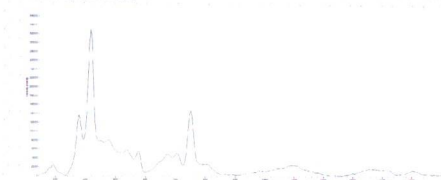
Pavilion

|        |       |             |      |                |      |
|--------|-------|-------------|------|----------------|------|
| Length | 10.52 | Width       | 9.10 | Height         | 6.34 |
| Ratio  | 1.16  | Crown Angle | 19.4 | Pavilion Angle | NA   |

Energy-dispersive X-ray fluorescence spectroscopy



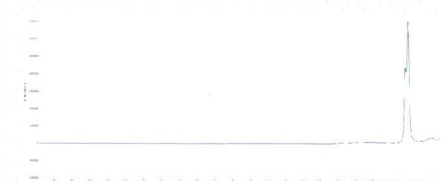
Raman Spectroscopy



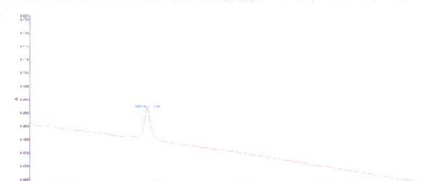
Fourier-transform infrared spectroscopy (T%)



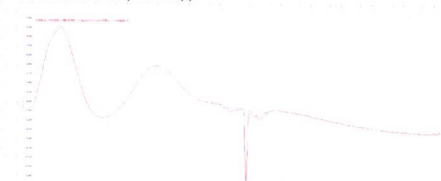
Photoluminescence



Fourier-transform infrared spectroscopy (A)



Ultraviolet-visible spectroscopy


Verify this report at [gemlabanalysis.com](http://gemlabanalysis.com). Download digital report, 360 video & 3D scan


Bellerophon®

Gemlab

