



© GIA. Photo by Robert Weldon.

Species - Variety:

**Corundum - Ruby**

Locality:

**Thailand, Chanthaburi, Tha Mai (Bang Kha Cha)**

*Description*

Shape: Cushion

Weight: 2.51 ct

Dimensions: 7.66 x 6.41 x 4.82 mm

Diaphaneity: Transparent

Color: Medium dark, strong, slightly purplish Red

*Gemological Properties*

Optical Character: Uniaxial negative

Refractive Index: 1.762 / 1.770

Birefringence: 0.008

Specific Gravity: 4.00

Pleochroism: Orangy red / Purplish red

Luster: Vitreous

Phenomenon: None

Fluorescence:

LWUV: Moderate red with even distribution

SWUV: None

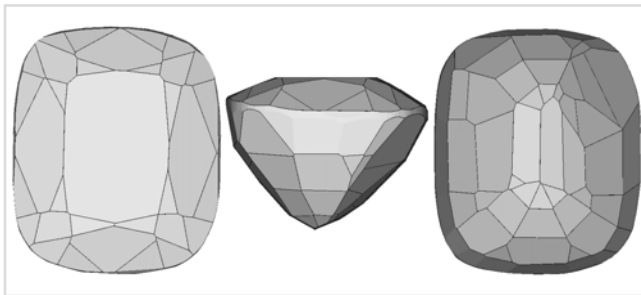
Phosphorescence:

LWUV: None

SWUV: None

Absorption Spectrum:

Broad absorption below 450 nm and from 530-590 nm; lines at about 468, 476 (doublet), 660, 675, and 693 nm (doublet)

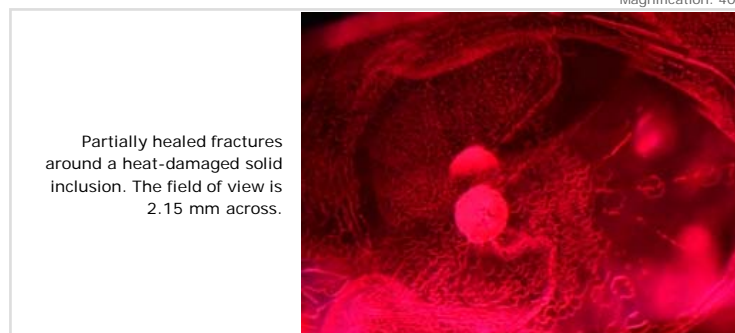


Facet Diagram: top | side | bottom

*Photomicrograph*

This reddish-purple sapphire contains partially healed fractures, one of which is associated with a heat-damaged solid inclusion.

Magnification: 40x



Partially healed fractures around a heat-damaged solid inclusion. The field of view is 2.15 mm across.

© GIA. Photomicrograph by John Koivula.

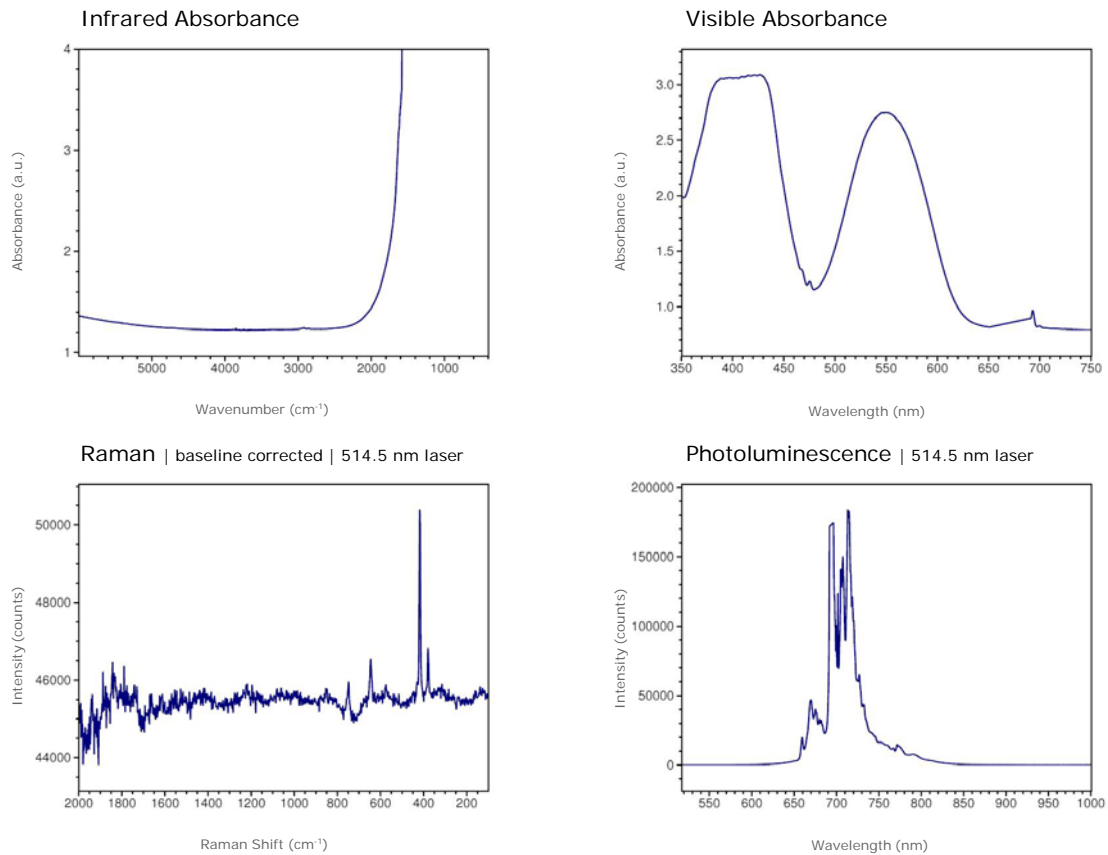
GIA Gem Database | Edward J. Gübelin Collection

Corundum - Ruby | Thailand, Chanthaburi  
GIA Collection Number: 35119



© GIA. Photo by Robert Weldon.

Spectrum



Chemistry | EDXRF

