



GEMMOLOGICAL REPORT

Report Number

16070079

Colour

red

Date

27 July 2016

Species

Natural corundum

Item

One faceted gemstone

Variety

Ruby

Weight

1.35 ct

Origin

Burma (Myanmar)

Shape

cushion-shape

Condition

Indications of heating (TE2).

Cut

brilliant cut / step cut

Important notes and limitations on the reverse.

Measurements

6.46 x 6.36 x 3.67 mm

Transparency

transparent

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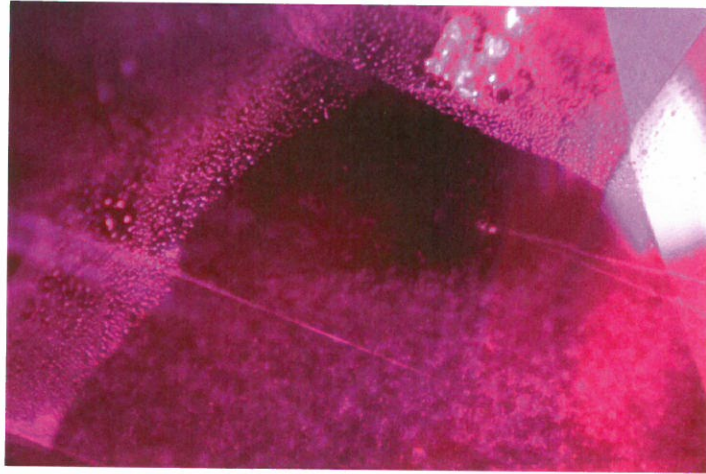




FOR A
BURMESE RUBY
OF
1.35 CT

COMPLEMENTING

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Mineral particles as seen in this 1.35 ct Burmese ruby. Also present are growth tubes and artificially healed fissures.

Some of the internal features recorded in this ruby include flakes arranged in clouds, twinning and artificially healed fissures. These inclusions are regularly observed in Burmese rubies and are potentially helpful indicators to determine their authenticity and origin². Further to these characteristic inclusions, pronounced angular growth structures are other internal features present in this 1.35 ct ruby.

In addition to microscopic features, a number of technologically advanced analytical methods are deployed to allow for a secure determination of a gemstone's authenticity and – with limitations – its origin. These more sophisticated methods can be grouped into spectroscopic and chemical methods. Both types give hints to the type of rock in which the gem formed, and might also reflect alterations imposed by a possible treatment process.

² For more information about the inclusions in gemstones contact the Gübelin Academy or consult 'Photoatlas of Inclusions in Gemstones' (see chapter 'Addendum')