



GEMMOLOGICAL REPORT

Report Number
16070078

Colour
red

Date
27 July 2016

Species
Natural corundum

Item
One faceted gemstone

Variety
Ruby

Weight
1.18 ct

Origin
Burma (Myanmar)

Shape
cushion-shape

Condition
Indications of heating (TE1).

Cut
brilliant cut / step cut

Important notes and limitations on the reverse.

Measurements
6.43 x 6.29 x 3.54 mm

Transparency
transparent

Wenxing Xu

Dr. Wenxing Xu

A. Spingardi

Alessandra Spingardi





FOR A
BURMESE RUBY
OF
1.18 CT

COMPLEMENTING

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Altered healed fissure and rutile flakes as seen in this 1.18 ct Burmese ruby

Some of the internal features recorded in this ruby include artificially healed fissures and dust clouds made of small diffuse flakes. 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 1.18 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')