



GEMMOLOGICAL REPORT

Report Number
18080083

Colour
blue-violet

Date
27 August 2018

Species
Natural zoisite

Item
One faceted gemstone

Variety
Tanzanite

Weight
3.01 ct

Origin
Tanzania

Shape
oval

Condition
Indications of heating.

Cut
modified brilliant cut

Comments
See Information Sheet(s).

Measurements
9.96 x 8.06 x 5.43 mm

Important notes and limitations on the reverse.

Transparency
transparent



Pierre Hardy



Dr. Wenxing Xu



INFORMATION SHEET

to Report No. 18080083

Tanzanite

The mineral zoisite belongs to the epidote group, which has long been known as an ornamental gem material. However, it was only in 1967 that a transparent blue to violet zoisite variety of gem-quality was discovered. This “new” gemstone immediately gained appreciation and status for its striking colour, and in recognition of its country of origin, it was named *tanzanite* by Tiffany & Co, the first major firm to promote it. The first - and still the only - source of gem-quality tanzanite is found in the Merelani Hills of the Lelatema mountain chain in Tanzania.

Over the years, a few smaller occurrences of tanzanite have also been noted in Kenya. The tanzanite deposits are located within what is referred to as the East African gemstone belt, where special geological and geochemical conditions led to the re-crystallisation of rock types such as gneiss and limestone. The blue to violet colours for which tanzanite is so highly prized are due mainly to the chemical element vanadium, which is unusually abundant in this region and provides the coloration for a variety of gem materials.

Information Sheets are intended to provide information supplementary to the contents of the Report and comment on, for instance, the type of gemstone, the geographic origin and the presence or absence of treatments. By definition, Information Sheets are purely informative in nature: they consist of a standard text and are issued for all types of stones of that particular category. Information Sheets, therefore, do not imply a certain quality or rarity of the stone described in the Gübelin Gem Lab Report which it is attached to.