



magnification approx. 1.0x

Gemstone Report No. 113567

Weight: 19.304 ct
Shape & cut: oval, brilliant / fancy cut
Measurements: 18.90 x 13.39 x 12.73 mm
Colour: blue

Identification: **T O U R M A L I N E**

Comments: The analysed properties confirm the authenticity of this transparent tourmaline.

The colour of tourmaline may be improved or changed by a heat treatment.

It is currently not possible to determine if the described tourmaline has been heated or not. The colour is however considered stable.

Origin: Nigeria

This copper- and manganese-bearing tourmaline may also be called 'Paraiba Tourmaline' in the trade.

Important Note: The conclusions on this Gemstone Report reflect our findings at the time it is issued. A gemstone could be modified and/or enhanced at any time. Therefore, the SSEF can at any time reassess if a stone is in accordance with the Gemstone Report. Once verified on www.myssef.ch, only the report with the valid original signatures, embossed stamps and Proof Tag™ label affixed on to the surface of the laminated report is a valid document. PDF scans and copies of a Gemstone Report are not legally binding. See terms and conditions on reverse side and www.ssef.ch/terms-conditions. © This Gemstone Report is copyright of SSEF.

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Basel, 4 June 2020 mk

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M. Rytz, MSc, ATC



P. Lefèvre, MSc, DUG

Appendix letter No. 113567

Exceptional Tourmaline

The tourmaline described in Gemstone Report No. 113567 from the Swiss Gemmological Institute SSEF possesses extraordinary characteristics and merits special mention and appreciation.

The described tourmaline exhibits a remarkable size and weight of 19.304 ct, combined with a beautifully saturated blue colour and an excellent purity. Its colour is further pronounced by its well-proportioned cutting style, resulting in range of vivid blue hues due to multiple internal reflections.

The analysed properties of this gemstone are consistent with those of copper-bearing tourmaline found near the city of Ilorin in the Oyo State in Western Nigeria. Since its discovery in 2001, this area has produced only a limited number of copper-bearing tourmalines of gem-quality, notably blue to greenish blue, green, and violet. The copper-bearing tourmalines from Nigeria are in many aspects similar to the famous material originally discovered in the 1980ies in the State of Paraiba in Brazil, and later in Mozambique, and thus may also be called '*Paraiba Tourmaline*' in the trade.

It is a common trade practice to improve or change the colour of copper-bearing tourmalines by a heat treatment at rather low temperature. Based on our analyses, it is currently not possible to determine if the described tourmaline has been heated or not. The colour is however considered stable.

A copper-bearing tourmaline from Nigeria of this size and excellent quality can be considered very rare and exceptional.

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P. Lefèvre, MSc, DUG