



GIA NATURAL DIAMOND GRADING REPORT

November 06, 2025
GIA Report Number *****6087
Shape and Cutting Style Round Brilliant
Measurements 8.17 - 8.22 x 4.85 mm

GRADING RESULTS

Carat Weight 2.01 carat
Color Grade D
Clarity Grade Internally Flawless
Cut Grade Excellent

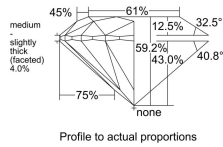
ADDITIONAL GRADING INFORMATION

Polish Excellent
Symmetry Excellent
Fluorescence None
Inscription(s): GIA *****6087
Comments: Minor details of polish are not shown.

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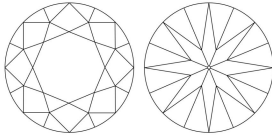
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PROPORTIONS



Profile to actual proportions

CLARITY CHARACTERISTICS



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GRADING SCALES

Table with 3 columns: GIA COLOR SCALE (D-Z), GIA CLARITY SCALE (FLAWLESS to I3), and GIA CUT SCALE (EXCELLENT to POOR).



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DIAMOND TYPE CLASSIFICATION FOR GIA DIAMOND GRADING REPORT #*****6087

Scientists classify diamonds into two main "types" - type I and type II - based on the presence or absence of nitrogen, which can replace carbon atoms in a diamond's atomic structure. These two diamond types can be distinguished on the basis of differences in their chemical and physical properties. Type I diamonds contain detectable amounts of nitrogen in infrared absorption spectroscopy and they are subdivided into four groups (Ib, IaA, IaAB, and IaB), depending upon the aggregation states of nitrogen in the diamond.

According to the records of the GIA Laboratory, the 2.01 carat Round Brilliant diamond described in GIA Diamond Grading Report #*****6087 has been determined to be a type IaB diamond. Type IaB diamonds are a very rare variety, accounting for less than 1% of all gem diamonds. Nitrogen concentrations in type IaB diamonds are generally low relative to other type I diamond varieties, and their nitrogen is fully aggregated to form B centers, which are groups of four nitrogen atoms surrounding a vacancy. Based on scientific studies of diamonds and their mineral inclusions, it is likely that many type IaB diamonds originate from deeper in the earth's mantle compared to most other gem diamonds. The very high temperature in the deep mantle is thought to facilitate nitrogen aggregation and develop type IaB diamonds.

The 812.77 carat rough diamond, named the Constellation, from the Karowe Mine in Botswana is a good example of notable type IaB diamond.

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