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June 10, 2022

**DIAMOND TYPE CLASSIFICATION FOR GIA DIAMOND ORIGIN REPORT #2225462707**

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 II diamonds contain little if any nitrogen and they are subdivided into two groups (IIa and IIb) both of which are quite rare (less than 2% of all gem diamonds).



According to the records of the GIA Laboratory, the 6.14 carat Round Brilliant diamond described in GIA Diamond Origin Report #2225462707 has been determined to be a **type IIa** diamond. Type IIa diamonds are the most chemically pure type of diamond and often have exceptional optical transparency. Type IIa diamonds were first identified as originating from India (particularly from the Golconda region) but have since been recovered in all major diamond-producing regions of the world.

Among famous gem diamonds, the 530.20 carat Cullinan I and the 105.60 carat Koh-i-noor are examples of type IIa.

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The World's Foremost Authority in Gemology™ Ensuring the Public Trust since 1931

**GIA NATURAL DIAMOND ORIGIN REPORT**

June 13, 2022  
 GIA Report Number ..... 2225462707  
 Shape and Cutting Style ..... Round Brilliant  
 Measurements ..... 11.65 - 11.70 x 7.30 mm

**GRADING RESULTS**

Carat Weight ..... 6.14 carat  
 Color Grade ..... D  
 Clarity Grade ..... VS1  
 Cut Grade ..... Excellent

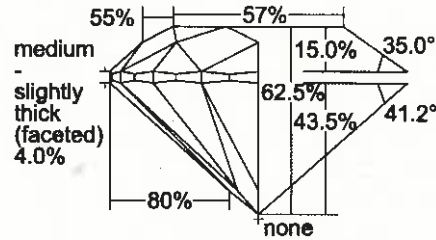
**ADDITIONAL GRADING INFORMATION**

Polish ..... Excellent  
 Symmetry ..... Excellent  
 Fluorescence ..... None  
 Inscription(s): GIA 2225462707

**ORIGIN RESULTS**

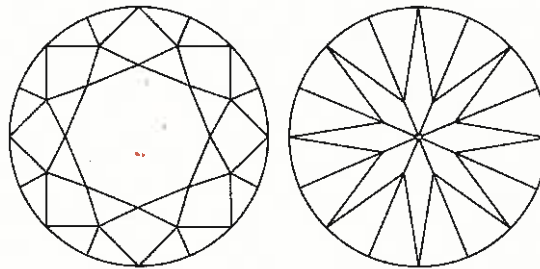
Country of Origin ◊ ..... South Africa

**PROPORTIONS**



Profile to actual proportions

**CLARITY CHARACTERISTICS**



**KEY TO SYMBOLS\***

- ◊ Crystal
- Pinpoint

\* Red symbols denote internal characteristics (inclusions). Green or black symbols denote external characteristics (blemishes). Diagram is an approximate representation of the diamond, and symbols shown indicate type, position, and approximate size of clarity characteristics. All clarity characteristics may not be shown. Details of finish are not shown.

**GRADING SCALES**

GIA COLOR SCALE	GIA CLARITY SCALE	GIA CUT SCALE
D E F G H I J K L M N O P Q R S T U V W X Y Z	FLAWLESS	EXCELLENT
	INTERIALLY FLAWLESS	
NEAR COLORLESS	VVS <sub>1</sub>	VERY GOOD
	VVS <sub>2</sub>	
FAINT	VS <sub>1</sub>	GOOD
	VS <sub>2</sub>	
VERY LIGHT	SI <sub>1</sub>	FAIR
	SI <sub>2</sub>	
LIGHT	I <sub>1</sub>	POOR
	I <sub>2</sub>	
	I <sub>3</sub>	



◊ Origin is determined via documentary evidence from the miner. Scientific matching of rough to polished performed by GIA.

[reportcheck.gia.edu](https://reportcheck.gia.edu)

The results documented in this report refer only to the diamond described, and were obtained using the techniques and equipment available to GIA at the time of examination. This report is not a guarantee or valuation. For additional information and important limitations and disclaimers, please see [GIA.edu/terms](https://GIA.edu/terms) or call +1 800 421 7250 or +1 760 603 4500. ©2019 Gemological Institute of America, Inc.

