

May 19, 2014  
GIA Report Number ..... 2166219121  
Shape and Cutting Style ..... Oval Brilliant  
Measurements ..... 12.56 x 8.29 x 4.08 mm

### GRADING RESULTS

Carat Weight ..... 3.18 carat  
Color Grade ..... D  
Clarity Grade ..... Internally Flawless

#### ADDITIONAL GRADING INFORMATION

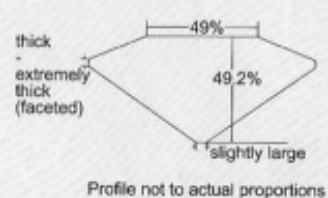
Polish .....	Very Good
Symmetry .....	Good
Fluorescence .....	None
Comments: Minor details of polish are not shown.	

[www.oia.edu](http://www.oia.edu)

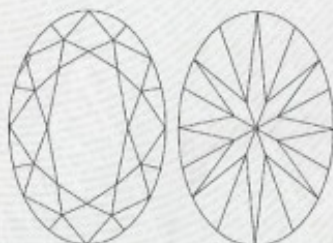
GIA REPORT  
#166219121

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### PROPORTIONS



### CLARITY CHARACTERISTICS



KEY TO SYMBOLS\*

^ Extra Facet

\* Red symbols denote internal characteristics (inclusion), green or black symbols denote potential 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	
D	EXCELLENT	FLAWLESS	FLAWLESS
E	VERY GOOD	INTERNAL FLAWLESS	FLAWLESS
F	GOOD	VERY, VERY SLIGHTLY INCLUDES FLAWLESS	FLAWLESS
G	FAIR	VERY SLIGHTLY INCLUDES FLAWLESS	FLAWLESS
H	POOR	INCLUDES FLAWLESS	FLAWLESS
I	VERY POOR	INCLUDES FLAWLESS	FLAWLESS
J	FAIRLY POOR	INCLUDES FLAWLESS	FLAWLESS
K	POOR	INCLUDES FLAWLESS	FLAWLESS
L	VERY POOR	INCLUDES FLAWLESS	FLAWLESS
M	POOR	INCLUDES FLAWLESS	FLAWLESS
N	POOR	INCLUDES FLAWLESS	FLAWLESS
O	POOR	INCLUDES FLAWLESS	FLAWLESS
P	POOR	INCLUDES FLAWLESS	FLAWLESS
Q	POOR	INCLUDES FLAWLESS	FLAWLESS
R	POOR	INCLUDES FLAWLESS	FLAWLESS
S	POOR	INCLUDES FLAWLESS	FLAWLESS
T	POOR	INCLUDES FLAWLESS	FLAWLESS
U	POOR	INCLUDES FLAWLESS	FLAWLESS
V	POOR	INCLUDES FLAWLESS	FLAWLESS
W	POOR	INCLUDES FLAWLESS	FLAWLESS
X	POOR	INCLUDES FLAWLESS	FLAWLESS
Y	POOR	INCLUDES FLAWLESS	FLAWLESS
Z	POOR	INCLUDES FLAWLESS	FLAWLESS



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 [www.gia.edu/terms](http://www.gia.edu/terms) or call +1 800 421 7259 or +1 760 693 4500. ©2014 Gemological Institute of America, Inc.



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May 01, 2018

## DIAMOND TYPE CLASSIFICATION FOR GIA DIAMOND GRADING REPORT #2166219121

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 3.18 carat Oval Brilliant diamond described in GIA Diamond Grading Report #2166219121 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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