



**GIA**  
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May 2, 2012

#### DIAMOND TYPE CLASSIFICATION FOR GIA DIAMOND GRADING REPORT #14728825

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 5.56 carat Emerald Cut diamond described in GIA Diamond Grading Report #14728825 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.

PLEASE REFER TO IMPORTANT LIMITATIONS ON THE BACK OF THIS DOCUMENT.

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**DIAMOND GRADING REPORT**

May 02, 2012

Shape and Cutting Style ..... **Emerald Cut**  
Measurements ..... 11.71 x 9.36 x 5.95 mm

**STEERING RESULTS**

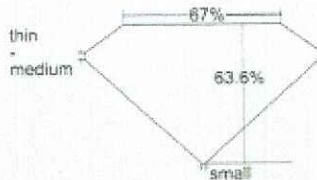
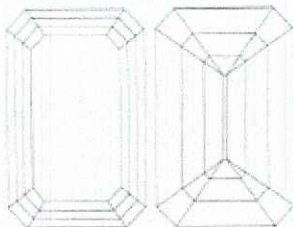
Carat Weight ..... **5.56 carat**  
Color Grade ..... **D**  
Clarity Grade ..... **INTERNALLY FLAWLESS**

**ADDITIONAL GRADING INFORMATION**

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

GIA COLOR SCALE		GIA CLARITY SCALE	
D	FLAWLESS	FLAWLESS	FLAWLESS
E	INTERNAL FLAWLESS	INTERNAL FLAWLESS	INTERNAL FLAWLESS
F	VS <sub>1</sub>	VS <sub>1</sub>	VS <sub>1</sub>
G	VS <sub>2</sub>	VS <sub>2</sub>	VS <sub>2</sub>
H	S <sub>1</sub>	S <sub>1</sub>	S <sub>1</sub>
I	S <sub>2</sub>	S <sub>2</sub>	S <sub>2</sub>
J	I <sub>1</sub>	I <sub>1</sub>	I <sub>1</sub>
K	I <sub>2</sub>	I <sub>2</sub>	I <sub>2</sub>
L			
M			
N			
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			

GIA REPORT 14728825



Profile not to actual proportions



210516283032

**KEY TO SYMBOLS**

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 form are not shown.

This Report is not a guarantee, valuation or appraisal and concerns only the characteristics of the diamond described herein after it has been graded, tested, examined and analyzed by the laboratory providing this Report. (GIA's) service has been conducted using the techniques and equipment used by GIA at the time of the examination and no exception, modification reported in this document are not a guarantee, warranty, or warranty of a diamond's quality, quality of origin or source, or that the diamond will be identifiable by its description in the future. Other inscriptions can be removed. GIA makes no representation concerning any trademark, word or symbol which is recorded by GIA or which is identified in the Report. In respect of this Report may wish to consult a professional dealer or jeweler for more information concerning this Report.



The security features in this document, including the hologram, watermark, and color-coded shape, are available to ensure and protect the diamond's permanent security, quality and value.

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