



# GIA®

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December 31, 2024

## DIAMOND TYPE CLASSIFICATION FOR GIA DIAMOND GRADING REPORT #2235376816

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 18.09 carat Emerald Cut diamond described in GIA Diamond Grading Report #2235376816 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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GIA REPORT  
2235376816

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GIA NATURAL DIAMOND GRADING REPORT

December 31, 2024  
 GIA Report Number ..... 2235376816  
 Shape and Cutting Style ..... Emerald Cut  
 Measurements ..... 17.52 x 12.56 x 8.43 mm

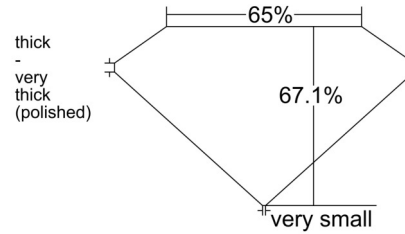
GRADING RESULTS

Carat Weight ..... 18.09 carat  
 Color Grade ..... D  
 Clarity Grade ..... Flawless

ADDITIONAL GRADING INFORMATION

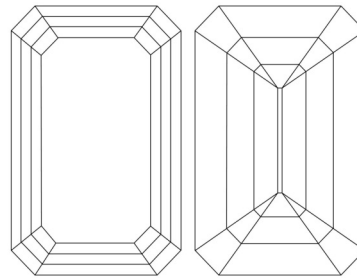
Polish ..... Excellent  
 Symmetry ..... Excellent  
 Fluorescence ..... None  
 Inscription(s): GIA 2235376816

PROPORTIONS



Profile not to actual proportions

CLARITY CHARACTERISTICS



GRADING SCALES

GIA COLOR SCALE		GIA CLARITY SCALE	
COLOURLESS	D	VERY VERY SLIGHTLY INCLUDED	FLAWLESS
	E		INTERNALLY FLAWLESS
	F		VVS <sub>1</sub>
NEAR COLOURLESS	G	VERY SLIGHTLY INCLUDED	VVS <sub>2</sub>
	H		VS <sub>1</sub>
	I		VS <sub>2</sub>
FANT	J	SLIGHTLY INCLUDED	SI <sub>1</sub>
	K		SI <sub>2</sub>
	L		I <sub>1</sub>
VERY LIGHT	M	INCLUDED	I <sub>2</sub>
	N		I <sub>3</sub>
	O		
LIGHT	P		
	Q		
	R		
	S		
	T		
	U		
	V		
W			
X			
Y			
Z			



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