



GIA REPORT
*****90985

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GIA NATURAL DIAMOND ORIGIN REPORT

February 06, 2025

GIA Report Number *****90985

Shape and Cutting Style Emerald Cut

Measurements 11.35 x 7.98 x 5.11 mm

GRADING RESULTS

Carat Weight 4.51 carat

Color Grade D

Clarity Grade Flawless

ADDITIONAL GRADING INFORMATION

Polish Excellent

Symmetry Excellent

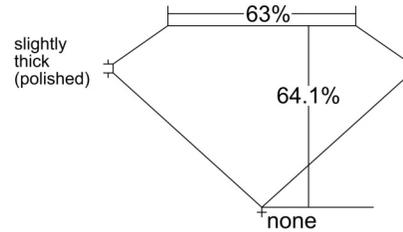
Fluorescence None

Inscription(s): GIA *****90985

ORIGIN RESULTS

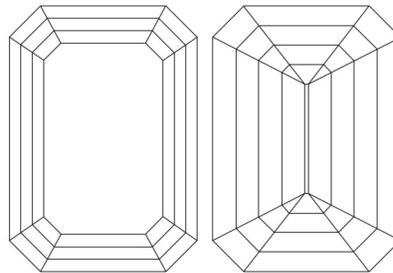
Country of Origin ♦ Angola

PROPORTIONS



Profile not to actual proportions

CLARITY CHARACTERISTICS



GRADING SCALES

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



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

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Note: The report number is masked with ***** for security.

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DIAMOND TYPE CLASSIFICATION FOR GIA DIAMOND ORIGIN REPORT #*****90985

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 4.51 carat Emerald Cut diamond described in GIA Diamond Origin Report #*****90985 has been determined to **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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