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September 22, 2011

DIAMOND TYPE CLASSIFICATION FOR GIA DIAMOND GRADING REPORT #2135912026

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 (Ila and IIb) both of which are quite rare (less than 2% of all gem diamonds).



According to the records of the GIA Laboratory, the 3.02 carat Pear Brilliant diamond described in GIA Diamond Grading Report #2135912026 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.

GIA REPORT 2135912026



DIAMOND GRADING REPORT

November 03, 2011

is annual residue.

ADDITIONAL CRADING INFROMATION

Finish

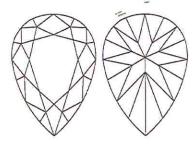
Polish Good
Symmetry Very Good
Fluorescence None

Comments:

Minor details of polish are not shown.

	COLOR SCALE		CLARITY SCALE
COLORLESS	D		FLAWLESS INTERNALLY
	E		FLAWLESS
	F	TRETABED TRETABED TRETABED TRETABED TRETABED TRETABED TRETABED TRETABED	VVS,
MEAR COLUMNSS	e		VVS2
	н		
			VS ₁
	J		VS2
	K		
FAUTT YERY LIGHT LIGHT	L	STIGHLIA MECTABEO	SI1
	M		
	N .		
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	W	Ð	
	X		13
	Y		
	Z		

REFERENCE BIAGRAMS



Tnone
Profile not to actual proportions

60.3%

thin

very

(faceted)

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 finish are not shown.

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