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DIAMOND TYPE CLASSIFICATION FOR GIA DIAMOND GRADING REPORT #6512543819

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 1.52 carat Oval Brilliant diamond described in GIA Diamond Grading Report #6512543819 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 NATURAL DIAMOND GRADING REPORT

March 06, 2025

GIA Report Number 6512543819

Shape and Cutting Style Oval Brilliant

Measurements 9.54 x 6.47 x 3.91 mm

GRADING RESULTS

Carat Weight 1.52 carat

Color Grade D

Clarity Grade Flawless

ADDITIONAL GRADING INFORMATION

Polish Excellent

Symmetry Excellent

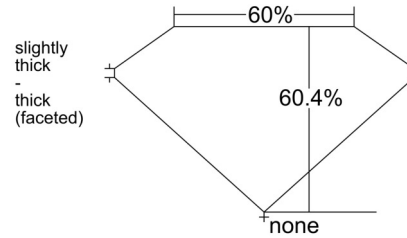
Fluorescence None

Inscription(s): GIA 6512543819

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6512543819

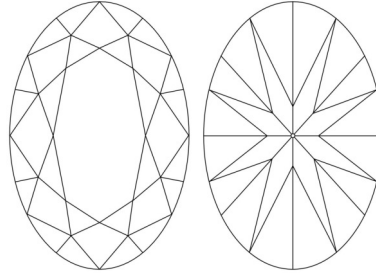
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PROPORTIONS



Profile not to actual proportions

CLARITY CHARACTERISTICS



FACSIMILE

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GRADING SCALES

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



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