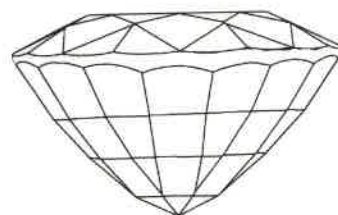




Images do not accurately portray size or color.

Accu-Vu™ Imaging:



Comments:

This diagram is an example and does not represent the actual facet arrangement of the item described

General Report Comments:

American Gemological Laboratories  
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Imaging

Document No: 1138132      Validation Date: 23 January 2024

**Identification**  
 Mineral Type: Natural Corundum      Transparency: Transparent  
 Variety: Ruby      Color Description: Red

Carat Weight: Stated by Client 5.70 cts      Shape: Modified Pear  
 Measurements: Approx. 15.20 x 9.68 x 3.9 mm      Cutting Style: Mixed Cut

Comments: Set in a white metal ring with one larger pear, two smaller pear, four marquise and several round diamonds (identified at random).

Identification

**Origin**  
 Provenance: Burma (Myanmar)

Comments: Based on available gemological information, it is the opinion of the Laboratory that the origin of this material would be classified as Burma (Myanmar).



Origin

**Enhancement**

Standard: No gemological evidence of heat      Additional: Clarity enhancement: None

Comments: Non-heated rubies are scarce. Rubies are commonly heated to modify their color and appearance.

Enhancement

1	2	3	4	5	6	7	8	9	10	None	Insignificant	Minor	Moderate	Strong	Prominent
Excellent	Very Good	Good	Fair	Poor	Extremely Rare	Very Rare	Rare	Uncommon	Common	Very Common					

Enhancement Stability Index™

Degree of Clarity Enhancement & Relative Rarity™

*M. Chaipaksa*  
 Monruedee Chaipaksa, Senior Gemologist

*Christopher P. Smith*  
 Christopher P. Smith, President



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About Us



GIA REPORT  
2183978842

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GIA NATURAL DIAMOND GRADING REPORT

February 17, 2023  
 GIA Report Number ..... 2183978842  
 Shape and Cutting Style ..... Modified Pear Brilliant  
 Measurements ..... 14.92 x 8.99 x 4.87 mm

GRADING RESULTS

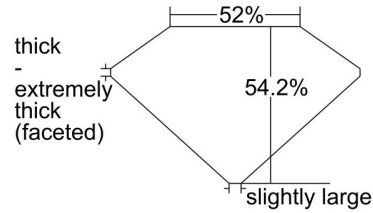
Carat Weight ..... 4.54 carat  
 Color Grade ..... E  
 Clarity Grade ..... VVS1

ADDITIONAL GRADING INFORMATION

Polish ..... Very Good  
 Symmetry ..... Good  
 Fluorescence ..... None  
 Inscription(s): GIA 2183978842

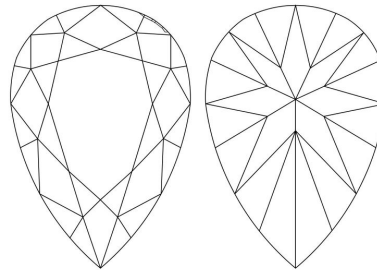
**Comments:** Clarity grade is based on internal graining that is not shown. Additional extra facets are not shown.

PROPORTIONS



Profile not to actual proportions

CLARITY CHARACTERISTICS



KEY TO SYMBOLS\*

^ Extra Facet

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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\* 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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February 17, 2023

## DIAMOND TYPE CLASSIFICATION FOR GIA DIAMOND GRADING REPORT #2183978842

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 4.54 carat Modified Pear Brilliant diamond described in GIA Diamond Grading Report #2183978842 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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