

FDX REPORT GUIDE: FULL DIAMOND EXAMINATION

UNDERSTANDING GSI'S FDX REPORT

A Full Diamond Examination (FDX) Report GSI's most comprehensive service for identifying and grading an individual gemstone or a piece of mounted jewelry, including materials and side stones.

The FDX Report is designed to provide an objective evaluation and identification by our trained technicians based on current industry standards.

All the grading and measurement factors shown on this sample FDX Report at right help to determine the quality and value of a gemstone or jewelry piece being evaluated.

To help consumers better understand the GSI FDX Report, we have provided the following definitions:

1 VirtualVault™ NUMBER: Virtual Vault™ is a separate security service available for a one-time fee, which enables GSI customers to obtain a replacement report in the event of loss. A unique Virtual Vault tracking number is assigned to each Grading Report. This service can also help law enforcement agencies and insurance companies recover or replace jewelry that may be lost or stolen. See www.gemscience.net for additional Virtual Vault benefits.

2 REPORT # A unique 11-digit number is assigned to each report. The number is used for tracking purposes and verifies that GSI identified and graded the gemstone or jewelry piece described in the Report on the date shown.

3 WEIGHT: Gemstones are measured in carats and points, with 100 points equal to one carat (ct). Carat weight is considered one of the 4Cs of diamond grading; the others are cut, color and clarity. Assuming the three other Cs remain the same, a larger carat stone should be worth more.

4 SHAPE/CUT: Diamonds come in an array of shapes, including round, princess, emerald, which are among the most popular. Cut on this report refers to one of the three basic cutting styles: step, brilliant, and mixed cuts. A round diamonds with 58 facets is typically referred to as a round brilliant.

5 MEASUREMENTS: Using precision instruments, GSI documents the gemstone's length, width, height in millimeters.

DEPTH: Depth is expressed as depth of the entire stone divided by an average diameter/width.

TABLE: The largest facet on the top. The table is expressed as percentage of the table relative to the diameter/width of the stone.

CROWN: The portion of a cut stone above the girdle. The crown height is expressed as a percentage of the average diameter/width of the diamond.

PAVILION: Portion of the diamond under the girdle. The pavilion height is expressed as a percentage of the average diameter/width of the diamond.

GIRDLE: The narrow rim around the diamond separating the crown and pavilion.

CULET: The smallest facet on the bottom of a diamond.

6 CLARITY is determined by objectively evaluating, under high magnification, a diamond's purity, which means a lack of blemishes (external marks) and inclusions (internal features). The highest clarity grades are Flawless (FL) and Internally Flawless (IF). More common are gems with slight inclusions, which receive clarity grades from VVS to I. V stands for "Very", the S for "Slightly" and I for "Included." Most inclusions don't compromise the beauty or structural integrity of a diamond, which is the hardest natural substance known to man.

7 COLOR: GSI grades diamond color using an internationally recognized letter grade scale. Diamond grades start at D and continue down to Z. Below Z, text descriptions for "fancy" color grades are used. Color is a matter of personal taste, and most diamonds show at least a trace of yellow or brown. It is often possible to enhance diamond color with attractive jewelry settings. Grading color requires an expert human eye to

match the stone's color visually against a set of color ranges under controlled lighting conditions.

FLUORESCENCE: The property in many diamonds that makes them glow under ultraviolet light. Diamonds fluoresce in a number of colors. Faint to medium fluorescence is rarely detected under ordinary lighting. Strong or very strong fluorescence may make a diamond appear "milky." Blue fluorescence may enhance the color of diamonds graded "H" color or below.

8 SYMMETRY: A grade given to the overall uniformity of a stone's cut. Poor symmetry will affect a diamond's sparkle and fire.

9 POLISH: A grade given to the external finish of a stone. Polish is crucial for maximum brilliance of a diamond.

10 DESCRIPTION AND COMMENTS: GSI includes Descriptions and Comments in its report to further determine characteristics of the gemstone or mounted jewelry piece. For multi-stone jewelry pieces, Descriptions and Comments may include detailed information and brand names, which may help to identify elaborate jewelry pieces. They may also identify any laser inscription on the stone.

11 KEY TO SYMBOLS: A diamond examined under magnification can exhibit a range of distinguishing features, from tiny internal fissures, or "feathers," to "naturals," which are part of the original diamond crystal surface left unpolished. These features, which are sometimes called "nature's birthmarks," are marked on the plotting diagram of the grading report. External blemishes are marked in green; internal inclusions are marked in red. (A red and green mark indicates a combination of internal and external.) A black symbol refers to an "extra facet," which is an addition to the normal number of facets. The size and location of these features can impact the value of the diamond. For more information consult your professional jeweler or visit www.gemscience.net.

FDX Report™

2 REPORT # 10132100101

3 WEIGHT: 1.00 ct

4 SHAPE/CUT: Round Brilliant

5 MEASUREMENTS*: 6.45-6.37 x 3.95mm

PROPORTIONS

Depth 60%

Table 60%

Crown 13%

Pavilion 41%

Girdle Thin to SI Thick, Faceted

Culet Very small

6 CLARITY: VS2

7 COLOR: H

Fluorescence: Strong Blue

8 SYMMETRY: Good

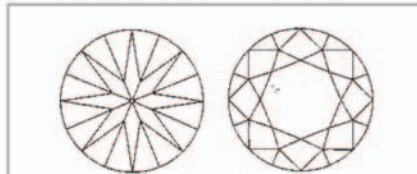
9 POLISH: Very Good

1 JUNE 1, 2005
VirtualVault™18132-765

10 DESCRIPTION: One natural diamond described in detail below

COMMENTS: Girdle inscribed "GSI 10132100101"

11



KEY TO SYMBOLS


Feather	Chip
Cloud	Indented Natural
Pinpoint	Cavity
Crystal	Twinning Wisp
Natural	Extra Facets

Clarity Scale

FL	IF	VVS ₁	VVS ₂	VS ₁	VS ₂	SI ₁	SI ₂	I ₁	I ₂	I ₃
		Very, Very Slightly Included		Very Slightly Included		Slightly Included		Included		

Color Scale

D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	t	U	V	W	X	Y	Z
Colorless			Near Colorless			Tint			Very Light						Light							



D G K N Z

Log on to www.gemscience.net to check affirm report validity. See reverse side for terms and conditions.

As you evaluate an FDX Report from GSI, keep in mind that:
1) all factors we evaluate, taken together, determine the quality and value of your stone; and 2) we don't consider one of the most important factors of all your personal taste in jewelry!