

DLS
Diamond Laser System
International Warranty

Diamond Report

THE 4C CERTIFICATE

This document is not a warranty or certificate stating the value of the diamond in question. With this document, the Diamond Laser System certifies the result of an in-depth examination of the gem in our laboratories using the most modern gemological equipment able to ensure the highest level of analysis.

For more than fifty years, diamond certification has been based on an analysis of the 4 C: CLARITY, COLOR, CARAT, CUT.

CLARITY

If we start out from the fact that a diamond is formed over an extremely long period of time (at least 900,000 years) through a combination of very high temperatures and tremendous pressure (90-1200 degrees centigrade – 50 kilo-bars), it is practically impossible for a gem to be totally free of inclusions, however small and invisible they may be. For convention's sake, a diamond is considered "Internally Flawless" when an expert gemologist finds no inclusions examining the stone with a 10X triplet lens adjusted for chromatic aberrations.

COLOR

The diamond color scale starts out from the concept that less color means a rarer and therefore more valuable diamond. Although it may seem anachronistic, the paragon of comparison for attributing the highest value (D color) refers to a drop of water from a mountain spring. Master Stones are used to determine the color of a diamond.

CARAT

The carat (which means "carob" in Arabic) is the standard unit of weight used for all precious gems. We must thank Marco Polo for this: after realizing the extraordinarily uniform weight of carob seeds, he was the first to use them for this purpose. This system was officially accepted in 1914, and the carat was attributed the weight of 0.20 grams.

CUT

Of all the four characteristics, the cut – the only one directly influenced by humans is the one that most affects the beauty of the diamond. The cut of the diamond determines its brilliance and fire.

IF	VVs1	VVs2	Vs1	Vs2	SI1	SI2	P1	P2
internally flawless	very very small included		very small included		small included		included	

THE 4 Cs CERTIFICATE

Technological innovation now takes the certification system one step further by making it possible to measure the light return through the Light Performance Profile.

Speaking of the 4 Cs, it has been shown that of the four parameters, the CUT is what most determines the beauty of a stone. 4 Cs, the revolutionary new certification system adopted by the DIAMOND LASER SYSTEM, uses the classic 4 Cs criteria joined by two fundamental analyses:

OPTICAL BRILLIANCE ANALYSIS:

This test determines the validity of the cut by directly measuring the diamond's overall light return. The white parts confirm the light return and, therefore, the perfection of the cut, while the dark parts show areas with a loss of light. Therefore, the diamond can be classified as follows:

Light return:

- from 100% to 93% - Excellent;
- from 92.9% to 88% - Very Good;
- from 87.9% to 80% - Good;
- from 79.9% to 75% - Fair

OPTICAL SYMMETRY ANALYSIS:

The different coloring that appears in the photograph of the diamond makes it possible to determine the quality of the symmetry of the cut, a respect of proportions, and alignment of facets. In other words, this analysis uses images to determine the quality of the cut.

The classification for this test is divided as follows:

- Perfectly uniform color: Excellent;
- Good uniformity: Very Good;
- Mediocre uniformity: Good;
- Scarce uniformity: Fair

LASER ENGRAVING SYSTEM:

The DIAMOND LASER SYSTEM uses the most modern analysis systems with instruments assisted by the latest generation of software. The purpose is to make gem analysis results even more objective by eliminating the subjectivity of the analyst.

The laser engraving system also supplies these results in a standardized way that is free from all possible human error.

THE 4C GRADING ANALYSIS

CERTIFICATE NUMBER DLS201036 Date: 19/06/2020

CARAT WEIGHT: 0.41

CUT: Round Brilliant

Measurement:	4.76-4.81x2.95mm	
Proportion:	54%15.5%43%	Excellent
Polish:		Excellent
External Symmetry:		Excellent
Optical Brilliance:		98%
Optical Symmetry:		Excellent

COLOR: G

Fluorescence:	None
Treatments:	None

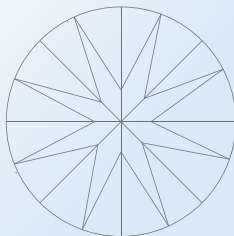
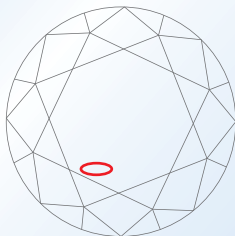
CLARITY: SI1

Grade setting Inclusion:	Cloud
Grade Setting Location:	Table
Treatments:	None
Comments:	Girdle laser inscribed

The stone accordance with the above mentioned number has been identified as a natural diamond and has the following description:

KEY TO SYMBOLS:

- ∖ Needle
- Cloud
- Pinpoint







THE 4Cs GRADING ANALYSIS

OPTICAL BRILLIANCE ANALYSIS

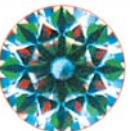

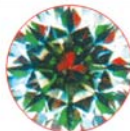
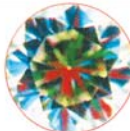
Brilliance is the overall return of light to the viewer.

The Brilliance image is a representation of white areas of light return, or brilliance, and dark-blue areas of light loss.

 100%-93% EXC - EIC	 92,9%-88% Very Good	 87,9%-80% Good	 79,9%-75% Fair
98			

OPTICAL SYMMETRY ANALYSIS

The colored areas of the symmetry image are indication of light handling ability, giving a visual representation of proportions and facet alignment.

 EXC - EIC	 Very Good	 Good	 Fair
X			

PHOTOMICROGRAPHS:

The photomicrographs are captured at a range of power magnifications.

SI1 0.41 G EXEXEX DLS201036

D	E	F	G	H	I-J	K-L	M-Z
exceptional white +	exceptional white	rare white +	rare white	white	slightly tinted white	tinted white	tinted color
blanc exceptionnel +	blanc exceptionnel	blanc extra +	blanc extra	blanc	blanc nuancé	légèrement teinté	couleur teintée

Color Scale

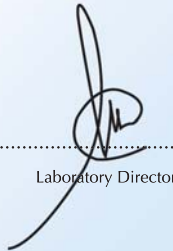
D	E	F	<input checked="" type="checkbox"/>	H	I	J	K	L	M	Others
---	---	---	-------------------------------------	---	---	---	---	---	---	--------

Clarity Scale

flawless	internally flawless	VVS ₁	VVS ₂	VS ₁	VS ₂	<input checked="" type="checkbox"/> I ₁	SI ₂	SI ₁	I ₁	I ₂	I ₃
----------	---------------------	------------------	------------------	-----------------	-----------------	--	-----------------	-----------------	----------------	----------------	----------------



Gemmologist



Laboratory Director