Guaranteed Lab Grown Diamond Grading Certificate

Identification Data

May 30, 2017

LAB GROWN DIAMOND
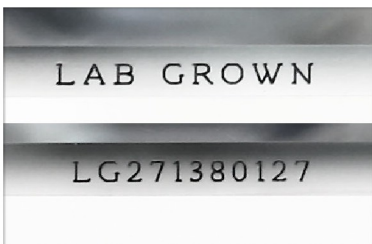Certificate Number   271380127

Gemprint®

Gemprint is the unique optical fingerprint for positive identification of your lab grown diamond. Register your lab grown diamond at www.Gemprint.com and receive insurance discounts up to 10%.

Laser Inscription:

Actual image of the inscription photographed at magnification greater than 10x
Girdle laser inscribed "LAB GROWN" and "LG271380127"

LAB GROWN

LG271380127

GCAL
GEM CERTIFICATION & ASSURANCE LAB
INTEGRITY GUARANTEED™

ISO 17025
Laboratory Accredited

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The 4Cs Grading Analysis

GCAL 271380127   LAB GROWN DIAMOND*

Carat Weight: 0.70

Cut: Very Good
Shape: Emerald Step
Measurements: 5.81x4.32x2.96mm
Polish: Very Good
External Symmetry: Good
Girdle Thickness: Sl.Thick-Thick
Culet Size: None

Color: F
Fluorescence: None

Clarity: VS2
Identifying Characteristic(s):   Internal Growth Characteristic
Characteristic Location(s):   Table

*Comments: This man-made diamond was grown in a laboratory by the CVD method, and has the same chemical, physical, and optical properties as a natural earth mined diamond.

This lab grown diamond is classified as Type IIa, which is the most chemically pure type of diamond, and almost or entirely devoid of impurities. Only 1-2% of natural earth mined diamonds are Type IIa, whereas, colorless and near-colorless CVD lab grown diamonds are usually Type IIa.

Photomicrographs:

Actual images of the crown (top) and pavilion (bottom) of this diamond photographed at magnifications up to 10x.

Light Performance Profile

Optical Brilliance Analysis:

Brilliance is the overall return of light to the viewer. The brilliance image is a representation of (a) white areas of light return, or brilliance, and (b) dark-blue areas of light loss.
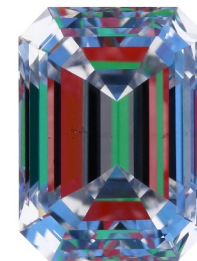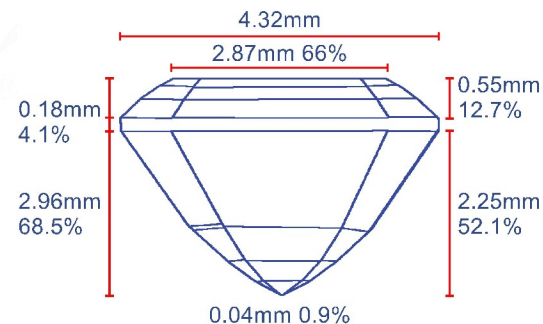
Excellent

Optical Symmetry Analysis:

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

Good

Proportion Diagram:

The proportion diagram illustrates the actual dimensions as recorded by optical scanning technology.

4.32mm
2.87mm 66%
0.18mm 4.1%
0.55mm 12.7%
2.96mm 68.5%
2.25mm 52.1%
0.04mm 0.9%