Identification Data

May 03, 2017

LAB GROWN DIAMOND |||||||||||||||||||||||||||||||||
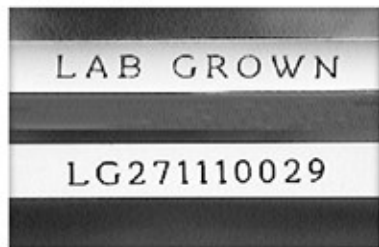Certificate Number   271110029

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 "LG271110029"

LAB GROWN

LG271110029

GCAL
GEM CERTIFICATION & ASSURANCE LAB
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580 Fifth Avenue, New York, NY 10036, T 212.869.8985 F 212.869.2315
www.DiamondID.com, www.GemFacts.com, www.Gemprint.com

The 4Cs Grading Analysis

GCAL 271110029   LAB GROWN DIAMOND*

Carat Weight: 0.77

Cut: Very Good
  Shape: Princess
  Measurements: 4.94x4.87x3.54mm
  Polish: Very Good
  External Symmetry: Very Good
  Girdle Thickness: Medium-Sl.Thick
  Culet Size: None

Color: J
  Fluorescence: None

Clarity: VVS2
  Identifying Characteristic(s):   External Growth Characteristic
  Characteristic Location(s):   Girdle

*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.
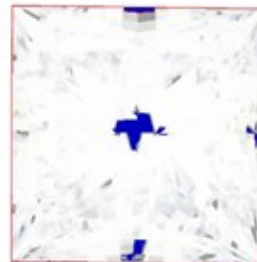
Light Performance Profile

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.

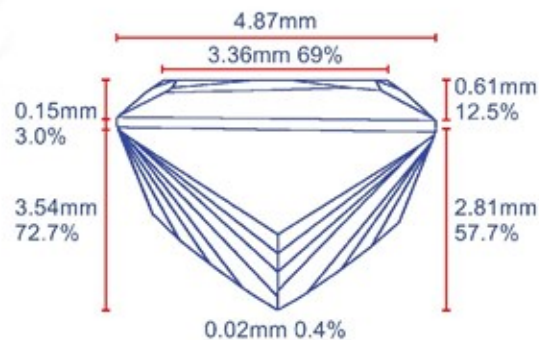Excellent

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.

4.87mm
3.36mm 69%
0.61mm 12.5%
0.15mm 3.0%
3.54mm 72.7%
2.81mm 57.7%
0.02mm 0.4%