

## Identification Data

January 30, 2019

LAB GROWN DIAMOND  
Certificate Number 290210253



Gemprint is the unique optical fingerprint for positive identification of your lab grown diamond. Register your lab grown diamond at [www.Gemprint.com](http://www.Gemprint.com) and receive insurance discounts up to 10%.



## Laser Inscription:

The illustration depicts enlarged and approximate appearances of the inscriptions. Girdle laser inscribed "LAB GROWN" and "LG290210253"



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## The 4Cs Grading Analysis

GCAL 290210253

LAB GROWN DIAMOND\*

**Carat Weight:**

1.43

**Cut:**

**Excellent**

Shape:

Round Brilliant

Measurements:

7.20-7.24x4.46mm

Polish:

Very Good

External Symmetry:

Very Good

Girdle Thickness:

Medium

Culet Size:

None

**Color:**

I

Fluorescence:

None

**Clarity:**

I1

Identifying Characteristic(s):

Feathers/Clouds

Characteristic Location(s):

Lower Girdle/Crown

\*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.



Excellent

### Proportion Diagram:

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

