

## Identification Data



September 24, 2019

LAB GROWN DIAMOND

Certificate No: 292460007

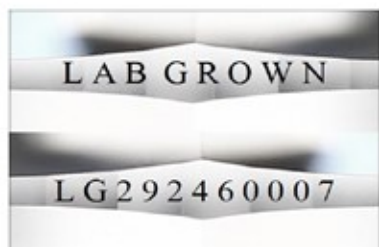


Gemprint is the unique optical fingerprint for positive identification of your lab grown diamond. Register your lab grown diamond at [www.Gemprint.com](http://www.Gemprint.com) and receive insurance discounts up to 10%.



### Laser Inscription:

The illustration depicts enlarged and approximate appearances of the inscriptions. Girdle laser inscribed "LAB GROWN" and "LG292460007"



## The 4Cs Grading Analysis

GCAL 292460007

LAB GROWN DIAMOND\*

Carat Weight:

0.31

Cut:

Shape:

Measurements:

Hearts:

Arrows:

Optical Brilliance:

Optical Symmetry:

Polish:

External Symmetry:

Girdle Thickness:

Culet Size:

Excellent

Round Brilliant

4.39-4.41x2.63mm

Excellent

Excellent

Excellent

Excellent

Excellent

Very Good

Thin-SI.Thick

None

Color:

Fluorescence:

F

None

Clarity:

Identifying Characteristic(s):

Characteristic Location(s):

S12

Crystal/Clouds

Table,Bezel/Throughout 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 diamond is Type IIa, which means it is devoid of nitrogen impurities.

### Photomicrographs:

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



## Light Performance Profile

### Optical Brilliance Analysis:



Excellent

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.



100%-93%  
Excellent



92.9%-86%  
Very Good



87.9%-80%  
Good



79.9%-75%  
Fair

### Optical Symmetry Analysis:



Excellent

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



Excellent



Very Good



Good



Fair

### Hearts and Arrows:

Precision faceting is visualized as Hearts and Arrows when brilliant cut stones are viewed in specific lighting conditions. Each pattern is the result of facet placement and alignment.



Excellent



Excellent

### Proportion Diagram:

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



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