

## Identification Data



October 17, 2021

LAB GROWN DIAMOND  
Certificate No: 312782415

### Gemprint®

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 "LG312782415"



## The 4Cs Grading Analysis

GCAL 312782415

LAB GROWN DIAMOND\*

**Carat Weight:** 1.66

**Cut:** Excellent  
**Shape:** Pear Brilliant  
**Measurements:** 10.51x6.58x4.16mm  
**Optical Brilliance:** Excellent  
**Optical Symmetry:** Very Good  
**Polish:** Excellent  
**External Symmetry:** Very Good  
**Girdle Thickness:** Thin-Thick  
**Culet Size:** None

**Color:** G  
**Fluorescence:** None

**Clarity:** VS2  
**Identifying Characteristic(s):** Crystals  
**Characteristic Location(s):** Table, Bezel, Upper Girdle

\*Comments: This laboratory grown diamond was created by the CVD (Chemical Vapor Deposition) method, and has the same chemical, physical, and optical properties as a 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 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.



Optical Brilliance  
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.



Optical Symmetry  
Very Good

### Proportion Diagram:

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



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