

## Identification Data



March 01, 2022

LAB GROWN DIAMOND  
Certificate No: 320490020

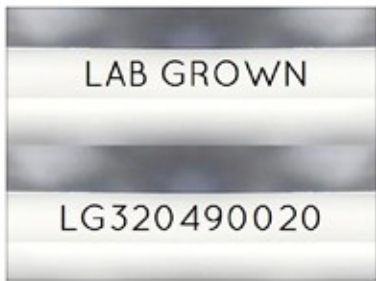
### Gemprint®

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 "LG320490020"



## The 4Cs Grading Analysis

GCAL 320490020

LAB GROWN DIAMOND\*

Carat Weight: 1.41

Cut: Excellent  
Shape: Emerald Step  
Measurements: 7.53x5.40x3.40mm  
Optical Brilliance: Excellent  
Optical Symmetry: Very Good  
Polish: Excellent  
External Symmetry: Very Good  
Girdle Thickness: Thick  
Culet Size: None

Color: F  
Fluorescence: None

Clarity: VS1  
Identifying Characteristic(s): Crystals  
Characteristic Location(s): Table, Crown Step, Crown Corner

\*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:

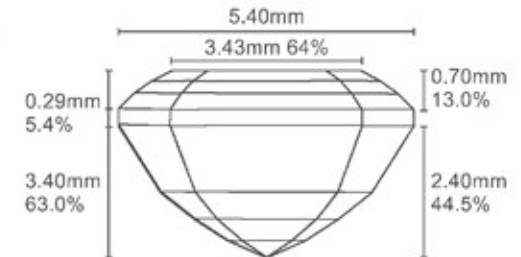
The colored areas of the symmetry image are indications of light handling ability, giving a visual representation of proportions and facet alignment.



Optical Symmetry  
Very Good

### Proportion Diagram:

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



**GCAL** GEM CERTIFICATION & ASSURANCE LAB  
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