# Identification Data

February 22, 2022

LAB GROWN DIAMOND
Certificate No: 320410051

**Gemprint®** *The fingerprint system for diamonds®*

Gemprint is the unique optical identification fingerprint of your lab grown diamond. Register your lab grown diamond fingerprint at www.Gemprint.com and receive insurance discounts up to 10%.

## Laser Inscription

GCAL LG320410051

GROWN IN THE USA

PAT. 6,858,078

Girdle laser inscribed:
GCAL LG320410051
GROWN IN THE USA
PAT. 6,858,078
This illustration depicts the approximate appearance of the inscriptions

Certified
SUSTAINABILITY RATED
DIAMOND
SCS GLOBAL SERVICES

All certified diamonds come with an individual certificate, ONLY available at an accredited retailer

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**GCAL** GEM CERTIFICATION & ASSURANCE LAB
ISO 17025 ACCREDITED FORENSIC LABORATORY

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ISO/IEC 17025 2017
ANAB L2177-1 Accredited Testing Lab

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# The 4Cs Grading Analysis

GCAL 320410051

LAB GROWN DIAMOND*

## Carat Weight:
1.02

## Cut:
Excellent

| | |
|---|---|
| Shape: | Round Brilliant |
| Measurements: | 6.44-6.45x4.01mm |
| Optical Brilliance: | Excellent |
| Optical Symmetry: | Excellent |
| Polish: | Very Good |
| External Symmetry: | Excellent |
| Girdle Thickness: | Medium-Sl.Thick |
| Culet Size: | None |

## Color:
F

Fluorescence: None

## Clarity:
VS2

Identifying Characteristic(s): Clouds
Characteristic Location(s): Upper Girdle,Table,Pavilion

*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. As Grown - No evidence of post-growth treatment was detected.

## 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.
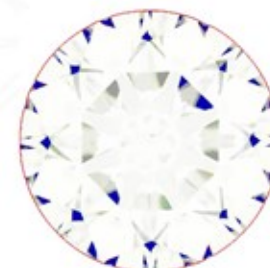
Optical Brilliance
Excellent

## 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
Excellent

## Proportion Diagram:
The proportion diagram illustrates the actual dimensions as recorded by optical scanning technology.

6.45mm
3.65mm 57% 50%
34.0°
0.95mm 14.5%
0.25mm 3.9%
4.01mm 62.2%
2.81mm 43.5%
41.2°
79%
0.03mm 0.4%

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