Guaranteed Lab Grown Diamond Grading Certificate

Identification Data

October 12, 2021

LAB GROWN DIAMOND
Certificate No: 312640013

Gemprint®

Gemprint is the unique optical fingerprint for positive identification of your lab grown diamond. Register your lab grown diamond at 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 PAT. 6,858,078", GCAL Logo and "LG312640013"

GCAL LG312640013

LAB GROWN PAT. 6,858,078

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 312640013   LAB GROWN DIAMOND*

Carat Weight: 4.04

Cut: Ideal
Shape: Round Brilliant
Measurements: 10.17-10.22x6.32mm
Optical Brilliance: Excellent
Optical Symmetry: Excellent
Polish: Excellent
External Symmetry: Excellent
Girdle Thickness: Medium-Sl.Thick
Culet Size: None

Color: K
Fluorescence: None

Clarity: VS2
Identifying Characteristic(s):   Crystal/Clouds/Feathers
Characteristic Location(s):   Table/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.
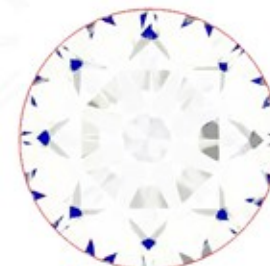
Photomicrographs:

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

Light Performance Profile
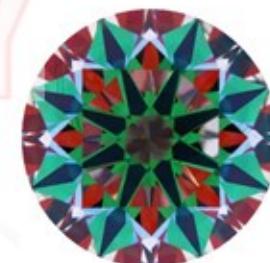
Optical Brilliance Analysis:

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
Excellent

Proportion Diagram:

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

10.20mm
5.80mm 57% 48%
35.0°
1.54mm 15.0%
0.37mm 3.6%
6.32mm 61.9%
4.41mm 43.0%
76%
41.0°
0.03mm 0.2%