

June 27, 2026



| Growth Method                     | HPHT               |
|-----------------------------------|--------------------|
| 1. Growth Temperature             | 1200-1500°C        |
| 2. Growth Pressure                | 5-12 GPa           |
| 3. Growth Time                    | Hours to days      |
| 4. Growth Medium                  | High-pressure cell |
| 5. Growth Rate                    | Low                |
| 6. Growth Uniformity              | High               |
| 7. Growth Defects                 | Low                |
| 8. Growth Cost                    | High               |
| 9. Growth Scale                   | Small              |
| 10. Growth Safety                 | High               |
| 11. Growth Environmental Impact   | Low                |
| 12. Growth Sustainability         | High               |
| 13. Growth Quality Control        | High               |
| 14. Growth Reproducibility        | High               |
| 15. Growth Flexibility            | Low                |
| 16. Growth Innovation             | High               |
| 17. Growth Research & Development | High               |
| 18. Growth Commercialization      | Low                |
| 19. Growth Market Demand          | High               |
| 20. Growth Competition            | High               |
| 21. Growth Regulatory Compliance  | High               |
| 22. Growth Intellectual Property  | High               |
| 23. Growth Industry Collaboration | High               |
| 24. Growth Public Perception      | High               |
| 25. Growth Future Prospects       | High               |

The logo is a circular seal. At the top, it says 'GCAI' in a large, serif font, with 'BY SAGRE' in a smaller font below it. In the center is a detailed line drawing of a diamond with its facets clearly marked. At the bottom, the words 'CONSUMER 4CS GRADING GUARANTEE' are written in a circular path around the diamond.

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Ultimate Diamond Cut Grade



**P** Poor    **F** Fair    **G** Good    **VG** Very Good    **EX** Excellent

Figure 1 is a schematic diagram of a diamond cross-section. It shows a diamond with a central table and facets. The dimensions and percentages are as follows:

- Top width: 8.06mm
- Top width percentage: 65%
- Top width percentage: 14.0%
- Top width percentage: 54.5%
- Top width percentage: 0.3%

DIAMOND SHAPES



CARAT WEIGHT SIZES

| Carat Weight | 2.50   | 2.00   | 1.50   | 1.00   | 0.75   | 0.50   |
|--------------|--------|--------|--------|--------|--------|--------|
| Approx. Size |        |        |        |        |        |        |
| Diameter     | 8.60mm | 8.00mm | 7.30mm | 6.40mm | 5.80mm | 5.10mm |

DIAMOND CLARITY GRADING SCALE

| FL                        | IF | VVS1                        | VVS2 | VS1                    | VS2 | S11               | S12 | I1 | I2 | I3             |
|---------------------------|----|-----------------------------|------|------------------------|-----|-------------------|-----|----|----|----------------|
| FLAWLESS - INTERNALLY FL. |    | VERY VERY SLIGHTLY INCLUDED |      | VERY SLIGHTLY INCLUDED |     | SLIGHTLY INCLUDED |     |    |    | INCLUDED/PIQUE |

DIAMOND COLOR GRADING SCALE



D - Z DIAMOND COLOR GRADING SCALE

DIAMOND FLUORESCENCE GRADING SCALE



DIAMOND POLISH & SYMMETRY GRADING SCALE

| EXCELLENT | VERY GOOD | GOOD | FAIR | POOR |
|-----------|-----------|------|------|------|
|-----------|-----------|------|------|------|

BRILLIANT CUT DIAGRAM



BUY WITH  
CONFIDENCE

GCAL BY SARINE™  
4Cs GRADING GUARANTEE

The GCAL by Sarine™ philosophy is simple: we believe consumers should feel confident about their lab grown diamond purchase, in the same way we believe experts should be accountable and stand behind their work.

This is why your lab grown diamond is protected by a zero tolerance, money-backed grading guarantee. You should know that the GCAL by Sarine™ 4Cs Grading Certificate is the only 4Cs grading certificate in the world that comes with a guarantee that ensures the accuracy of the certified lab grown diamonds' weight and quality grades. If the carat weight or any of the cut, color, or clarity grades provided in this GCAL by Sarine™ 4Cs Grading Certificate is lower than the weight or quality grade of your certified lab grown diamond, GCAL by Sarine™ will reimburse you the difference between what you paid for the lab grown diamond and the current fair value of an equivalent lab grown diamond in the market in which it was purchased, pursuant to the newly established grades. Kindly see additional details, including the limitations of the guarantee, at [GCALUSA.com](http://GCALUSA.com).

MISSION STATEMENT

To provide the most accurate and consistent gemological grading, with uncompromising integrity and unparalleled customer service.

GEMPRINT®

Having a traceable, unique “fingerprint” of your lab grown diamond adds future protection to your investment, as well as peace of mind. GCAL by Sarine™ records the distinctive Gemprint of every diamond we certify. This patented technology for positive identification is recognized worldwide as forensic evidence and identification. Register your lab grown diamond at [GEMPRINT.com](http://GEMPRINT.com)

CERTIFICATE VERIFICATION

You can verify the authenticity of this certificate by entering your GCAL by Sarine™ Certificate Number at [GCALUSA.com](http://GCALUSA.com). You can also download a complimentary digital copy of this document to send to your insurance company.



GUARANTEED  
CERTIFICATE



LAB GROWN



8X® is the highest achievement in precision diamond cutting. The GCAL 8X Ultimate Diamond Cut Grading System encompasses all aspects of diamond CUT quality assessment. Your lab Grown diamond has achieved grades of Excellent in all eight aspects of CUT quality assessment. As a result, this lab grown diamond is recognized for its extraordinary brilliance and beauty.

PHYSICAL EXCELLENCE

The first three of the 8X grading factors analyze the exactness of the physical surface, the facet shapes, as well as the angles. This includes the Polish, External Symmetry and Proportions.

Decades of meticulous mathematical calculations have determined the narrow proportion ranges required to produce superior cut diamonds. Each shape has been studied individually to find the most aesthetically pleasing parameters. Some of the factors considered are listed below.

To view the proportions specifications for each shape, please visit our website [GCALUSA.COM](http://GCALUSA.COM)

|                       |                           |
|-----------------------|---------------------------|
| Table %               | Lower Girdle Facet Length |
| Depth %               | Star Length               |
| Crown Angle/Height    | Girdle Thickness          |
| Pavilion Angle/Height | Culet Size                |

LIGHT PERFORMANCE EXCELLENCE

The next three of the 8X grading factors are Brilliance, Fire and Scintillation, which analyze the light handling ability of your lab grown diamond. The combination of these factors is the essence of what makes any diamond visibly shine, dance and sparkle from across a room. Fire and Scintillation are graded while the diamond is in motion and interacting with light. View the Fire and Scintillation videos of this lab grown diamond at [GCALUSA.com](http://GCALUSA.com) or by scanning the QR code on this certificate.

OPTICAL EXCELLENCE

The last two 8X grading factors consider optical excellence. These factors scrutinize the craftsmanship, the precise alignment of the crown and pavilion facets, the shape outline, and the length to width ratio, ensuring the lab grown diamond achieves aesthetic perfection.

Grading scales for each of the 8X grading factors can be viewed at [GCALUSA.com](http://GCALUSA.com)

Independently Graded and Guaranteed by GCAL by Sarine™