

February 01, 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 Efficiency	High
14. Growth Reliability	High
15. Growth Reproducibility	High
16. Growth Flexibility	Low
17. Growth Scalability	Low
18. Growth Adaptability	Low
19. Growth Innovation	Low
20. Growth Research Potential	High
21. Growth Commercial Potential	High
22. Growth Market Potential	High
23. Growth Industry Potential	High
24. Growth Academic Potential	High
25. Growth Government Potential	High
26. Growth Investment Potential	High
27. Growth Risk Potential	Low
28. Growth Opportunity Potential	High
29. Growth Challenge Potential	Low
30. Growth Solution Potential	High
31. Growth Impact Potential	High
32. Growth Benefit Potential	High
33. Growth Drawback Potential	Low
34. Growth Advantage Potential	High
35. Growth Disadvantage Potential	Low
36. Growth Feature Potential	High
37. Growth Benefit Potential	High
38. Growth Drawback Potential	Low
39. Growth Advantage Potential	High
40. Growth Disadvantage Potential	Low
41. Growth Feature Potential	High
42. Growth Benefit Potential	High
43. Growth Drawback Potential	Low
44. Growth Advantage Potential	High
45. Growth Disadvantage Potential	Low
46. Growth Feature Potential	High
47. Growth Benefit Potential	High
48. Growth Drawback Potential	Low
49. Growth Advantage Potential	High
50. Growth Disadvantage Potential	Low
51. Growth Feature Potential	High
52. Growth Benefit Potential	High
53. Growth Drawback Potential	Low
54. Growth Advantage Potential	High
55. Growth Disadvantage Potential	Low
56. Growth Feature Potential	High
57. Growth Benefit Potential	High
58. Growth Drawback Potential	Low
59. Growth Advantage Potential	High
60. Growth Disadvantage Potential	Low
61. Growth Feature Potential	High
62. Growth Benefit Potential	High
63. Growth Drawback Potential	Low
64. Growth Advantage Potential	High
65. Growth Disadvantage Potential	Low
66. Growth Feature Potential	High
67. Growth Benefit Potential	High
68. Growth Drawback Potential	Low
69. Growth Advantage Potential	High
70. Growth Disadvantage Potential	Low
71. Growth Feature Potential	High
72. Growth Benefit Potential	High
73. Growth Drawback Potential	Low
74. Growth Advantage Potential	High
75. Growth Disadvantage Potential	Low
76. Growth Feature Potential	High
77. Growth Benefit Potential	High
78. Growth Drawback Potential	Low
79. Growth Advantage Potential	High
80. Growth Disadvantage Potential	Low
81. Growth Feature Potential	High
82. Growth Benefit Potential	High
83. Growth Drawback Potential	Low
84. Growth Advantage Potential	High
85. Growth Disadvantage Potential	Low
86. Growth Feature Potential	High
87. Growth Benefit Potential	High
88. Growth Drawback Potential	Low
89. Growth Advantage Potential	High
90. Growth Disadvantage Potential	Low
91. Growth Feature Potential	High
92. Growth Benefit Potential	High
93. Growth Drawback Potential	Low
94. Growth Advantage Potential	High
95. Growth Disadvantage Potential	Low
96. Growth Feature Potential	High
97. Growth Benefit Potential	High
98. Growth Drawback Potential	Low
99. Growth Advantage Potential	High
100. Growth Disadvantage Potential	Low

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

Technical drawing of a diamond showing its proportions and measurements:

- Table width: 7.46mm
- Table depth: 4.18mm (56%)
- Crown width: 4.5%
- Crown angle: 34.5°
- Crown height: 0.27mm (3.6%)
- Girdle width: 4.59mm (61.5%)
- Pavilion angle: 40.8°
- Pavilion height: 3.20mm (43.0%)
- Depth: 1.12mm (15.0%)
- 76% measurement is indicated for the pavilion width.

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
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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.

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

CERTIFICATE VERIFICATION

You can verify the authenticity of this certificate by entering your GCAL by Sarine™ Certificate Number at 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 the meticulous mathematical calculations have determined the narrow proportions ranges required to produce superior cut diamonds. Each shape has been studies 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

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 the light. View the Fire and Scintillation videos of this lab grown diamond at the 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 the 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

Independently Graded and Guaranteed by GCAL by Sarine™