

February 10, 2026



Cut 8X

Growth Method	HPHT
1. Growth Temperature	1200-1500°C
2. Growth Pressure	5-10 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 Innovation	High
19. Growth Research & Development	High
20. Growth Commercialization	High
21. Growth Market Penetration	High
22. Growth Customer Satisfaction	High
23. Growth Industry Reputation	High
24. Growth Regulatory Compliance	High
25. Growth Ethical Considerations	High
26. Growth Social Responsibility	High
27. Growth Environmental Stewardship	High
28. Growth Resource Efficiency	High
29. Growth Waste Reduction	High
30. Growth Carbon Footprint	Low
31. Growth Energy Consumption	High
32. Growth Water Usage	Low
33. Growth Air Pollution	Low
34. Growth Soil Contamination	Low
35. Growth Noise Pollution	Low
36. Growth Light Pollution	Low
37. Growth Heat Pollution	Low
38. Growth Air Quality	High
39. Growth Water Quality	High
40. Growth Soil Quality	High
41. Growth Noise Levels	Low
42. Growth Light Levels	Low
43. Growth Heat Levels	Low
44. Growth Air Quality Index	High
45. Growth Water Quality Index	High
46. Growth Soil Quality Index	High
47. Growth Noise Levels Index	Low
48. Growth Light Levels Index	Low
49. Growth Heat Levels Index	Low
50. Growth Air Quality Index	High
51. Growth Water Quality Index	High
52. Growth Soil Quality Index	High
53. Growth Noise Levels Index	Low
54. Growth Light Levels Index	Low
55. Growth Heat Levels Index	Low
56. Growth Air Quality Index	High
57. Growth Water Quality Index	High
58. Growth Soil Quality Index	High
59. Growth Noise Levels Index	Low
60. Growth Light Levels Index	Low
61. Growth Heat Levels Index	Low
62. Growth Air Quality Index	High
63. Growth Water Quality Index	High
64. Growth Soil Quality Index	High
65. Growth Noise Levels Index	Low
66. Growth Light Levels Index	Low
67. Growth Heat Levels Index	Low
68. Growth Air Quality Index	High
69. Growth Water Quality Index	High
70. Growth Soil Quality Index	High
71. Growth Noise Levels Index	Low
72. Growth Light Levels Index	Low
73. Growth Heat Levels Index	Low
74. Growth Air Quality Index	High
75. Growth Water Quality Index	High
76. Growth Soil Quality Index	High
77. Growth Noise Levels Index	Low
78. Growth Light Levels Index	Low
79. Growth Heat Levels Index	Low
80. Growth Air Quality Index	High
81. Growth Water Quality Index	High
82. Growth Soil Quality Index	High
83. Growth Noise Levels Index	Low
84. Growth Light Levels Index	Low
85. Growth Heat Levels Index	Low
86. Growth Air Quality Index	High
87. Growth Water Quality Index	High
88. Growth Soil Quality Index	High
89. Growth Noise Levels Index	Low
90. Growth Light Levels Index	Low
91. Growth Heat Levels Index	Low
92. Growth Air Quality Index	High
93. Growth Water Quality Index	High
94. Growth Soil Quality Index	High
95. Growth Noise Levels Index	Low
96. Growth Light Levels Index	Low
97. Growth Heat Levels Index	Low
98. Growth Air Quality Index	High
99. Growth Water Quality Index	High
100. Growth Soil Quality Index	High

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A diagram of a circle with 12 radial lines extending from the center to the circumference. A red arc is drawn on the upper left portion of the circle, starting from the 10 o'clock position and ending at the 12 o'clock position. The angle between the 10 o'clock and 12 o'clock radial lines is labeled as $\theta = 30^\circ$.

Ultimate Diamond Cut Grade



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

[illegible]

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](https://www.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](https://www.gemprint.com)

CERTIFICATE VERIFICATION

You can verify the authenticity of this certificate by entering your GCAL by Sarine™ Certificate Number at [GCALUSA.com](https://www.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](https://www.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](https://www.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](https://www.gcalusa.com)

Independently Graded and Guaranteed by GCAL by Sarine™