

January 29, 2026



Cut 8X

Growth Method	CVD
1. Chemical Vapor Deposition (CVD)	1. Chemical Vapor Deposition (CVD)
2. Physical Vapor Deposition (PVD)	2. Physical Vapor Deposition (PVD)
3. Sol-gel process	3. Sol-gel process
4. Hydrothermal synthesis	4. Hydrothermal synthesis
5. Electrochemical deposition	5. Electrochemical deposition
6. Atomic Layer Deposition (ALD)	6. Atomic Layer Deposition (ALD)
7. Langmuir-Blodgett (LB) method	7. Langmuir-Blodgett (LB) method
8. Spin coating	8. Spin coating
9. Dip coating	9. Dip coating
10. Inkjet printing	10. Inkjet printing
11. Spray coating	11. Spray coating
12. Electroless plating	12. Electroless plating
13. Thermal evaporation	13. Thermal evaporation
14. Sputtering	14. Sputtering
15. Pulsed laser deposition (PLD)	15. Pulsed laser deposition (PLD)
16. Molecular beam epitaxy (MBE)	16. Molecular beam epitaxy (MBE)
17. Solvothermal synthesis	17. Solvothermal synthesis
18. Microwave-assisted synthesis	18. Microwave-assisted synthesis
19. Hydrothermal synthesis	19. Hydrothermal synthesis
20. Electrochemical deposition	20. Electrochemical deposition
21. Atomic Layer Deposition (ALD)	21. Atomic Layer Deposition (ALD)
22. Langmuir-Blodgett (LB) method	22. Langmuir-Blodgett (LB) method
23. Spin coating	23. Spin coating
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25. Inkjet printing	25. Inkjet printing
26. Spray coating	26. Spray coating
27. Electroless plating	27. Electroless plating
28. Thermal evaporation	28. Thermal evaporation
29. Sputtering	29. Sputtering
30. Pulsed laser deposition (PLD)	30. Pulsed laser deposition (PLD)
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33. Microwave-assisted synthesis	33. Microwave-assisted synthesis
34. Hydrothermal synthesis	34. Hydrothermal synthesis
35. Electrochemical deposition	35. Electrochemical deposition
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49. Hydrothermal synthesis	49. Hydrothermal synthesis
50. Electrochemical deposition	50. Electrochemical deposition
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78. Microwave-assisted synthesis	78. Microwave-assisted synthesis
79. Hydrothermal synthesis	79. Hydrothermal synthesis
80. Electrochemical deposition	80. Electrochemical deposition
81. Atomic Layer Deposition (ALD)	81. Atomic Layer Deposition (ALD)
82. Langmuir-Blodgett (LB) method	82. Langmuir-Blodgett (LB) method
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93. Microwave-assisted synthesis	93. Microwave-assisted synthesis
94. Hydrothermal synthesis	94. Hydrothermal synthesis
95. Electrochemical deposition	95. Electrochemical deposition
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97. Langmuir-Blodgett (LB) method	97. Langmuir-Blodgett (LB) method
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99. Dip coating	99. Dip coating
100. Inkjet printing	100. Inkjet printing
101. Spray coating	101. Spray coating
102. Electroless plating	102. Electroless plating
103. Thermal evaporation	103. Thermal evaporation
104. Sputtering	104. Sputtering
105. Pulsed laser deposition (PLD)	105. Pulsed laser deposition (PLD)
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108. Microwave-assisted synthesis	108. Microwave-assisted synthesis
109. Hydrothermal synthesis	109. Hydrothermal synthesis
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115. Inkjet printing	115. Inkjet printing
116. Spray coating	116. Spray coating
117. Electroless plating	117. Electroless plating
118. Thermal evaporation	118. Thermal evaporation
119. Sputtering	119. Sputtering
120. Pulsed laser deposition (PLD)	120. Pulsed laser deposition (PLD)

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

Technical drawing of a diamond showing its proportions and percentages. The drawing includes the following dimensions and percentages:

- Top width: 11.84mm
- Top width segments: 6.83mm (58%) and 4.99mm (49%)
- Top angle: 34.0°
- Left height segments: 0.39mm (3.3%) and 7.17mm (60.5%)
- Right height segments: 1.69mm (14.5%) and 5.08mm (43.0%)
- Bottom angle: 40.8°
- Bottom width: 0.03mm (0.2%)
- Bottom angle: 79°

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™