

December 23, 2025



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 Quality	High
15. Growth Reliability	High
16. Growth Reproducibility	High
17. Growth Scalability	Low
18. Growth Flexibility	Low
19. Growth Adaptability	Low
20. Growth Innovation	Low
21. Growth Research & Development	High
22. Growth Commercialization	Low
23. Growth Market Penetration	Low
24. Growth Customer Satisfaction	High
25. Growth Industry Reputation	High
26. Growth Regulatory Compliance	High
27. Growth Ethical Considerations	High
28. Growth Social Responsibility	High
29. Growth Environmental Stewardship	High
30. Growth Economic Viability	Low
31. Growth Financial Stability	Low
32. Growth Risk Management	Low
33. Growth Strategic Planning	Low
34. Growth Operational Excellence	Low
35. Growth Innovation Pipeline	Low
36. Growth Talent Acquisition	Low
37. Growth Organizational Culture	Low
38. Growth Leadership Effectiveness	Low
39. Growth Stakeholder Engagement	Low
40. Growth Industry Collaboration	Low
41. Growth Government Support	Low
42. Growth Academic Recognition	High
43. Growth Public Perception	High
44. Growth Media Coverage	High
45. Growth Thought Leadership	High
46. Growth Industry Influence	High
47. Growth Global Reach	Low
48. Growth Localization	Low
49. Growth Cultural Sensitivity	Low
50. Growth Legal Framework	Low
51. Growth Taxation	Low
52. Growth Accounting	Low
53. Growth Financial Reporting	Low
54. Growth Internal Controls	Low
55. Growth Risk Assessment	Low
56. Growth Business Continuity	Low
57. Growth Disaster Preparedness	Low
58. Growth Crisis Management	Low
59. Growth Reputation Management	Low
60. Growth Branding	Low
61. Growth Marketing Strategy	Low
62. Growth Sales Strategy	Low
63. Growth Distribution Strategy	Low
64. Growth Customer Retention	Low
65. Growth New Market Entry	Low
66. Growth Partnership Development	Low
67. Growth Mergers & Acquisitions	Low
68. Growth Divestitures	Low
69. Growth Restructuring	Low
70. Growth Turnaround	Low
71. Growth Liquidation	Low
72. Growth Bankruptcy	Low
73. Growth Reorganization	Low
74. Growth Spinoffs	Low
75. Growth Joint Ventures	Low
76. Growth Strategic Alliances	Low
77. Growth Industry Consolidation	Low
78. Growth Market Saturation	Low
79. Growth Market Penetration Rate	Low
80. Growth Market Share	Low
81. Growth Market Position	Low
82. Growth Market Segmentation	Low
83. Growth Market Research	Low
84. Growth Market Analysis	Low
85. Growth Market Forecasting	Low
86. Growth Market Trends	Low
87. Growth Market Opportunities	Low
88. Growth Market Threats	Low
89. Growth Market Challenges	Low
90. Growth Market Risks	Low
91. Growth Market Rewards	Low
92. Growth Market Potential	Low
93. Growth Market Viability	Low
94. Growth Market Sustainability	Low
95. Growth Market Resilience	Low
96. Growth Market Adaptability	Low
97. Growth Market Flexibility	Low
98. Growth Market Innovation	Low
99. Growth Market Research & Development	Low
100. Growth Market Commercialization	Low

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Ultimate Diamond Cut Grade



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

Technical drawing of a diamond showing its proportions and measurements:

- Overall width: 6.74mm
- Width of the table: 3.91mm (58%)
- Table depth: 0.30mm (4.5%)
- Depth of the crown: 0.97mm (14.5%)
- Depth of the pavilion: 2.94mm (43.5%)
- Overall depth: 4.21mm (62.4%)
- Angle of the crown: 34.5°
- Angle of the pavilion: 40.0°
- Tip of the pavilion: 0.03mm (0.4%)

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	SI1	SI2	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

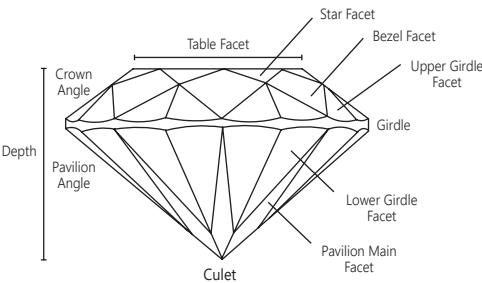
DIAMOND FLUORESCENCE GRADING SCALE



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™