

April 20, 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 Innovation	High
19. Growth Research & Development	High
20. Growth Commercialization	High
21. Growth Market Demand	High
22. Growth Competition	High
23. Growth Regulatory Compliance	High
24. Growth Intellectual Property	High
25. Growth Industry Collaboration	High
26. Growth Government Support	High
27. Growth Academic Interest	High
28. Growth Public Awareness	High
29. Growth Media Coverage	High
30. Growth Industry Association	High
31. Growth Standardization	High
32. Growth Certification	High
33. Growth Quality Control	High
34. Growth Testing & Validation	High
35. Growth Documentation	High
36. Growth Reporting	High
37. Growth Communication	High
38. Growth Marketing	High
39. Growth Sales	High
40. Growth Distribution	High
41. Growth Logistics	High
42. Growth Customer Support	High
43. Growth Feedback	High
44. Growth Improvement	High
45. Growth Innovation	High
46. Growth Research & Development	High
47. Growth Commercialization	High
48. Growth Market Demand	High
49. Growth Competition	High
50. Growth Regulatory Compliance	High
51. Growth Intellectual Property	High
52. Growth Industry Collaboration	High
53. Growth Government Support	High
54. Growth Academic Interest	High
55. Growth Public Awareness	High
56. Growth Media Coverage	High
57. Growth Industry Association	High
58. Growth Standardization	High
59. Growth Certification	High
60. Growth Quality Control	High
61. Growth Testing & Validation	High
62. Growth Documentation	High
63. Growth Reporting	High
64. Growth Communication	High
65. Growth Marketing	High
66. Growth Sales	High
67. Growth Distribution	High
68. Growth Logistics	High
69. Growth Customer Support	High
70. Growth Feedback	High
71. Growth Improvement	High
72. Growth Innovation	High
73. Growth Research & Development	High
74. Growth Commercialization	High
75. Growth Market Demand	High
76. Growth Competition	High
77. Growth Regulatory Compliance	High
78. Growth Intellectual Property	High
79. Growth Industry Collaboration	High
80. Growth Government Support	High
81. Growth Academic Interest	High
82. Growth Public Awareness	High
83. Growth Media Coverage	High
84. Growth Industry Association	High
85. Growth Standardization	High
86. Growth Certification	High
87. Growth Quality Control	High
88. Growth Testing & Validation	High
89. Growth Documentation	High
90. Growth Reporting	High
91. Growth Communication	High
92. Growth Marketing	High
93. Growth Sales	High
94. Growth Distribution	High
95. Growth Logistics	High
96. Growth Customer Support	High
97. Growth Feedback	High
98. Growth Improvement	High
99. Growth Innovation	High
100. Growth Research & Development	High
101. Growth Commercialization	High
102. Growth Market Demand	High
103. Growth Competition	High
104. Growth Regulatory Compliance	High
105. Growth Intellectual Property	High
106. Growth Industry Collaboration	High
107. Growth Government Support	High
108. Growth Academic Interest	High
109. Growth Public Awareness	High
110. Growth Media Coverage	High
111. Growth Industry Association	High
112. Growth Standardization	High
113. Growth Certification	High
114. Growth Quality Control	High
115. Growth Testing & Validation	High
116. Growth Documentation	High
117. Growth Reporting	High
118. Growth Communication	High
119. Growth Marketing	High
120. Growth Sales	High
121. Growth Distribution	High
122. Growth Logistics	High
123. Growth Customer Support	High
124. Growth Feedback	High
125. Growth Improvement	High
126. Growth Innovation	High
127. Growth Research & Development	High
128. Growth Commercialization	High
129. Growth Market Demand	High
130. Growth Competition	High
131. Growth Regulatory Compliance	High
132. Growth Intellectual Property	High
133. Growth Industry Collaboration	High
134. Growth Government Support	High
135. Growth Academic Interest	High
136. Growth Public Awareness	High
137. Growth Media Coverage	High
138. Growth Industry Association	High
139. Growth Standardization	High
140. Growth Certification	High
141. Growth Quality Control	High
142. Growth Testing & Validation	High
143. Growth Documentation	High
144. Growth Reporting	High
145. Growth Communication	High
146. Growth Marketing	High
147. Growth Sales	High
148. Growth Distribution	High
149. Growth Logistics	High
150. Growth Customer Support	High
151. Growth Feedback	High
152. Growth Improvement	High
153. Growth Innovation	High
154. Growth Research & Development	High
155. Growth Commercialization	High

© GCAL USA LLC. All rights reserved.

Ultimate Diamond Cut Grade



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

Diagram illustrating the proportions and measurements of a diamond, showing the relationship between the width, depth, and height of the stone.

Key measurements and proportions shown:

- Width: 6.60mm
- Table width: 4.05mm
- Table percentage: 61%
- Top width: 35.5°
- Top height: 0.28mm
- Top percentage: 4.2%
- Bottom height: 4.03mm
- Bottom percentage: 61.0%
- Bottom width: 40.0°
- Bottom height: 2.82mm
- Bottom percentage: 42.5%
- Bottom width: 0.02mm
- Bottom percentage: 0.4%
- Side height: 0.93mm
- Side percentage: 14.0%

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.

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

Independently Graded and Guaranteed by GCAL by Sarine™



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

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 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