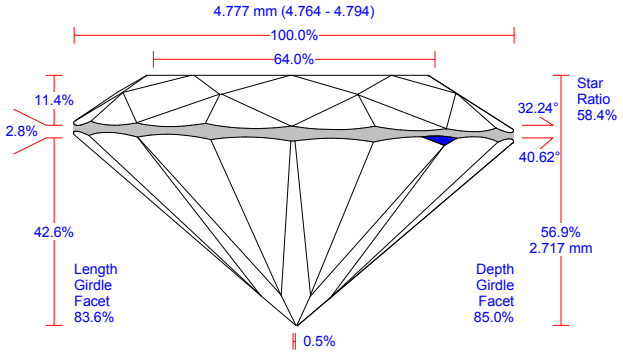
ILLUSTRATED REPORT FOR BRILLIANT

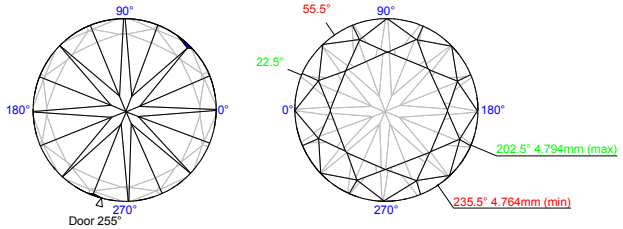
Polished Brilliant 24.06.2008

Model	Simple
Expert name	Makoed A.G.
Real weight, ct	
Calculated weight, ct	0.37, 0.3756
Measurements	4.777 (4.764 -4.794) x 2.717 /0.018 mm
Spread	0.03 ct, 8.38 %
AGS Spread	N/A ct, N/A %
Extra Facet / Nat	Yes (2)

Width	Length	Ratio (L/W)	Diameter Minimum	Diameter Maximum	Diameter Average	Total height
4.764 mm	4.794 mm	1.006	4.764 mm	4.794 mm	4.777 mm	2.717 mm

Crown height	Pavilion depth	Table	Culet	Girdle		
				Bezel	Bone	Valley
0.543 mm	2.037 mm	3.060 mm	0.025 mm	0.136 mm	0.158 mm	0.073 mm





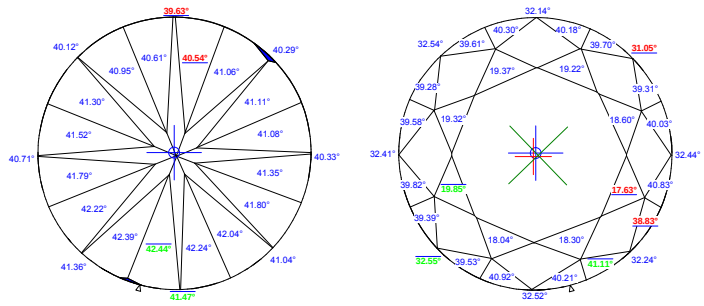
Appraiser title	GIA_PCTG_StarCul
Overall cut quality	G
Symmetry appraiser title	Internal
Overall symmetry quality	FR

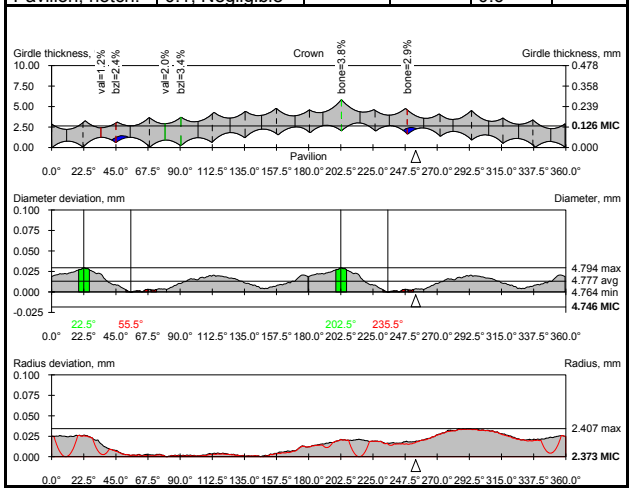
Color	
Clarity	
Polish	
Fluorescence	

Parameter	Avg	Min	Max	Dev	Cut	Sym
Diameter, mm	4.777	4.764	4.794	0.62%	E	VG
Crown angle, °	32.24	31.05	32.55	1.50	Grading	VG
Pavilion angle, °	40.62	39.63	41.47	1.84	Grading	GD
Total height, %	56.88				V	
Crown height, %	11.37	10.64	12.34	1.71	V	GD
Pavilion depth, %	42.64	41.67	43.72	2.05	N/A	GD
Table, %	64.05	63.84	64.15	0.31	Grading	EX
Culet, %	0.53	0.35	0.63	0.28	E	EX
Girdle Bezel, %	2.84	2.39	3.40	1.01	E	GD
Girdle Bone, %	3.30	2.94	3.80	0.86		VG
Girdle Valley, %	1.53	1.16	1.98	0.82	E	EX
Star: Upper ratio, %	58.39: 41.61	54.01: 45.99	63.15: 36.85	9.14	E	FR
Star angle, °	18.79	17.63	19.85	2.21		VG
Upper girdle angle, °	39.91	38.83	41.11	2.28		VG
Length girdle facet, %	83.64	81.71	85.34	3.63	E	VG
Lower girdle angle / Halves angle, °	41.53	40.54	42.44	1.91		VG
Twist, °	1.38	0.03	3.61	3.58		FR
Crown height, mm	0.543	0.508	0.590	0.082	V	GD
Pavilion depth, mm	2.037	1.990	2.088	0.098	N/A	GD
Table, mm	3.060	3.050	3.064	0.015	Grading	EX
Culet, mm	0.025	0.017	0.030	0.013	E	EX
Girdle Bezel, mm	0.136	0.114	0.162	0.048	E	GD
Girdle Bone, mm	0.158	0.140	0.181	0.041		VG
Girdle Valley, mm	0.073	0.055	0.095	0.039	E	EX
Measurement as per OctoNus theory:						
Crown angle, °	32.24	31.80	32.42	0.62		
Pavilion angle, °	40.62	40.52	40.82	0.31		
Fish eye effect, °			3.36		N/A	
Culet through Crown Bezel, °			25.30		N/A	

1	2	3	4	5	6	7	8
4.783	4.772	4.775	4.775				
32.41	32.54	32.14	31.05	32.44	32.24	32.52	32.55
40.33	40.29	39.63	40.12	40.71	41.36	41.47	41.04
12.34	12.14	11.54	10.84	10.64	10.64	11.16	11.64
41.67	42.24	41.95	42.85	43.48	43.72	43.06	42.18
64.07	64.15	64.14	63.84				
2.87	2.39	3.40	3.19	2.72	2.47	2.60	3.06
2.99	3.54	3.44	3.07	3.80	2.94	3.59	3.05
1.43 1.63	1.16 1.34	1.38 1.27	1.98 1.17	1.96 1.44	1.76 1.70	1.68 1.73	1.35 1.54
54.65: 45.35	57.84: 42.16	60.63: 39.37	58.79: 41.21	63.15: 36.85	60.26: 39.74	57.78: 42.22	54.01: 45.99
19.32	19.37	19.22	18.60	17.63	18.30	18.04	19.85
39.58 40.83	39.28 38.83	39.61 41.11	40.30 40.21	40.18 40.92	39.70 39.53	39.31 39.39	40.03 39.82
84.20 83.09	83.27 83.59	82.67 84.35	81.94 85.34	82.31 85.25	81.71 84.74	82.81 85.21	82.65 85.13
41.08 41.79	41.11 42.22	41.06 42.39	40.54 42.44	40.61 42.24	40.95 42.04	41.30 41.80	41.52 41.35
0.04	0.73	0.54	2.00	3.61	0.88	0.03	3.19
0.590	0.580	0.551	0.518	0.508	0.508	0.533	0.556
1.990	2.018	2.004	2.047	2.077	2.088	2.057	2.015
3.061	3.064	3.064	3.050				
0.137	0.114	0.162	0.153	0.130	0.118	0.124	0.146
0.143	0.169	0.164	0.147	0.181	0.140	0.171	0.146
0.068 0.078	0.055 0.064	0.066 0.060	0.095 0.056	0.094 0.069	0.084 0.081	0.080 0.083	0.065 0.074
32.42	32.39	32.33	31.80				
40.52	40.82	40.55	40.58				
MIC, mm			4.746				
Girdle to MIC, mm			0.018				

Parameter, °	1	2	3	4	5	6	7	8
Pav. azimuths dev. from ideal	0.00	0.09	0.15	1.58	1.30	0.36	0.11	0.03
Crown azimuths dev. from ideal	0.04	0.81	-0.38	-0.42	-2.31	1.24	0.08	3.22
Crown painting	-1.37	-1.48	-2.05	-0.65	-1.03	-1.14	-0.84	-2.94
	-1.42	-4.24	-0.80	-2.93	-0.33	-1.85	-1.72	-0.43
Pavilion painting	-0.16	-2.07	-1.37	-0.75	0.98	-0.30	0.35	-0.41
	0.10	-1.29	0.97	-0.60	0.16	-0.35	-0.16	0.17



Girdle-Culet offset by table axis	1.52 ± 0.26, %	0.073 ± 0.012, mm
Girdle-Table offset by table axis	1.24 ± 0.23, %	0.059 ± 0.011, mm
Table-Culet offset by table axis	1.83 ± 0.27, %	0.087 ± 0.013, mm
Girdle to table-culet line offset	1.07 %, 0.051 mm	

Paint / Dug	Avg	Type	Sym	Dev	Sym
Crown, °	-1.58	Painting	EX	-4.24	EX
Crown, notch.	0.4, Small			1.1	
Pavilion, °	-0.30		EX	-2.07	EX
Pavilion, notch.	0.1, Negligible			0.6