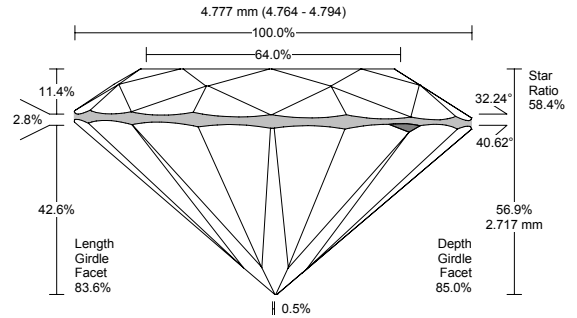


# HELIUM 8-FACETS REPORT

# Polished Brilliant

## General information

Model: Simple  
 Expert name: Makoed A.G.  
 Report date: 19.02.2007  
 Real weight, ct:  
 Calculated weight, ct: 0.37, 0.3756  
 Appraiser title: GIA\_PCTG\_StarCul  
 Overall cut quality: G  
 Symmetry appraiser title: Internal  
 Overall symmetry quality: FR



## Main parameters

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
Crown height	%	11.37	10.64	12.34	1.71	V	GD
Crown height	mm	0.543	0.508	0.590	0.082		
Pavilion angle	°	40.62	39.63	41.47	1.84	Grading	GD
Pavilion depth	%	42.64	41.67	43.72	2.05	N/A	GD
Pavilion depth	mm	2.037	1.990	2.088	0.098		
Upper girdle facets angle	°	39.91	38.83	41.11	2.28		VG
Star facets angle	°	18.79	17.63	19.85	2.21		VG
Star : Upper ratio	%	58.39 : 41.61	54.01 : 45.99	63.15 : 36.85	9.14	E	FR
Lower girdle facets angle	°	41.53	40.54	42.44	1.91		VG
Total height	%	56.88				V	
Total height	mm	2.717					
Table	%	64.05	63.84	64.15	0.31	Grading	EX
Table	mm	3.060	3.050	3.064	0.015		
Culet	%	0.53	0.35	0.63	0.28	E	EX
Culet	mm	0.025	0.017	0.030	0.013		
Twist	°	1.38	0.03	3.61	3.58		FR
Girdle thickness: Bezel	%	2.84	2.39	3.40	1.01	E	GD
Girdle thickness: Bezel	mm	0.136	0.114	0.162	0.048		
Girdle thickness: Bone	%	3.30	2.94	3.80	0.86		VG
Girdle thickness: Bone	mm	0.158	0.140	0.181	0.041		
Girdle thickness: Valley	%	1.53	1.16	1.98	0.82	E	EX
Girdle thickness: Valley	mm	0.073	0.055	0.095	0.039		

## Detailed parameters

Parameter		1	2	3	4	5	6	7	8
Diameter	mm	4.783	4.772	4.775	4.775				
Crown angle	°	32.41	32.54	32.14	31.05	32.44	32.24	32.52	32.55
Crown height	%	12.34	12.14	11.54	10.84	10.64	10.64	11.16	11.64
Crown height	mm	0.590	0.580	0.551	0.518	0.508	0.508	0.533	0.556
Crown azimuth	°	0.0	45.8	89.6	134.6	177.7	226.2	270.1	318.2
Pavilion angle	°	40.33	40.29	39.63	40.12	40.71	41.36	41.47	41.04
Pavilion depth	%	41.67	42.24	41.95	42.85	43.48	43.72	43.06	42.18
Pavilion depth	mm	1.990	2.018	2.004	2.047	2.077	2.088	2.057	2.015
Pavilion azimuth	°	0.0	45.1	90.2	136.6	181.3	225.4	270.1	315.0
Upper girdle facets angle	°	39.58	39.28	39.61	40.30	40.18	39.70	39.31	40.03
		40.83	38.83	41.11	40.21	40.92	39.53	39.39	39.82
Star facets angle	°	19.32	19.37	19.22	18.60	17.63	18.30	18.04	19.85
Star : Upper ratio	%	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
Lower girdle facets angle	°	41.08	41.11	41.06	40.54	40.61	40.95	41.30	41.52
		41.79	42.22	42.39	42.44	42.24	42.04	41.80	41.35
Table	%	64.07	64.15	64.14	63.84				
Table	mm	3.061	3.064	3.064	3.050				
Twist	°	0.04	0.73	0.54	2.00	3.61	0.88	0.03	3.19
Girdle Bezel	%	2.87	2.39	3.40	3.19	2.72	2.47	2.60	3.06
Girdle Bezel	mm	0.137	0.114	0.162	0.153	0.130	0.118	0.124	0.146
Girdle Bone	%	2.99	3.54	3.44	3.07	3.80	2.94	3.59	3.05
Girdle Bone	mm	0.143	0.169	0.164	0.147	0.181	0.140	0.171	0.146
Girdle Valley	%	1.43	1.16	1.38	1.98	1.96	1.76	1.68	1.35
		1.63	1.34	1.27	1.17	1.44	1.70	1.73	1.54
Girdle Valley	mm	0.068	0.055	0.066	0.095	0.094	0.084	0.080	0.065
		0.078	0.064	0.060	0.056	0.069	0.081	0.083	0.074