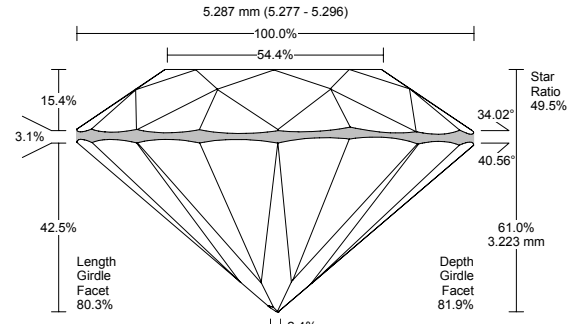


# HELIUM 8-FACETS REPORT

# Polished Brilliant

## General information

Model: Simple  
 Expert name: Makoed A.G.  
 Report date: 19.02.2007  
 Real weight, ct:  
 Calculated weight, ct: 0.54, 0.5484  
 Appraiser title: GIA\_PCTG\_StarCul  
 Overall cut quality: G  
 Symmetry appraiser title: Internal  
 Overall symmetry quality: GD



## Main parameters

Parameter		Avg	Min	Max	Dev	Cut	Sym
Diameter	mm	5.287	5.277	5.296	0.36 %	E	EX
Crown angle	°	34.02	33.45	34.23	0.78	Grading	VG
Crown height	%	15.38	15.06	15.68	0.62	E	EX
Crown height	mm	0.813	0.796	0.829	0.033		
Pavilion angle	°	40.56	40.44	40.66	0.21	Grading	EX
Pavilion depth	%	42.46	41.89	42.83	0.94	N/A	VG
Pavilion depth	mm	2.245	2.215	2.264	0.050		
Upper girdle facets angle	°	39.50	38.20	40.74	2.54		GD
Star facets angle	°	21.96	21.31	22.26	0.95		EX
Star : Upper ratio	%	49.52 : 50.48	47.88 : 52.12	50.88 : 49.12	3.00	E	VG
Lower girdle facets angle	°	41.69	41.50	42.35	0.85		EX
Total height	%	60.97				E	
Total height	mm	3.223					
Table	%	54.40	53.99	54.72	0.73	Grading	EX
Table	mm	2.876	2.854	2.893	0.039		
Culet	%	2.44	2.09	2.90	0.81	G	EX
Culet	mm	0.129	0.110	0.153	0.043		
Twist	°	0.71	0.05	1.73	1.68		VG
Girdle thickness: Bezel	%	3.11	2.78	3.35	0.57	E	EX
Girdle thickness: Bezel	mm	0.164	0.147	0.177	0.030		
Girdle thickness: Bone	%	3.33	2.98	3.76	0.78		VG
Girdle thickness: Bone	mm	0.176	0.157	0.199	0.041		
Girdle thickness: Valley	%	1.68	1.26	1.99	0.74	E	EX
Girdle thickness: Valley	mm	0.089	0.066	0.105	0.039		

## Detailed parameters

Parameter		1	2	3	4	5	6	7	8
Diameter	mm	5.281	5.296	5.288	5.293				
Crown angle	°	34.05	34.12	34.14	33.45	34.06	34.08	34.23	34.05
Crown height	%	15.68	15.64	15.41	15.09	15.06	15.16	15.35	15.67
Crown height	mm	0.829	0.827	0.815	0.798	0.796	0.802	0.811	0.828
Crown azimuth	°	0.3	44.4	90.1	136.1	179.5	225.6	269.8	315.9
Pavilion angle	°	40.44	40.53	40.55	40.55	40.55	40.64	40.60	40.66
Pavilion depth	%	41.89	42.30	42.49	42.54	42.68	42.83	42.51	42.45
Pavilion depth	mm	2.215	2.236	2.246	2.249	2.256	2.264	2.247	2.244
Pavilion azimuth	°	0.0	45.4	90.1	135.7	180.1	224.7	269.2	314.2
Upper girdle facets angle	°	38.68	39.37	38.20	38.21	40.00	39.97	39.07	39.53
		39.25	39.27	39.98	39.72	40.55	40.74	39.88	39.63
Star facets angle	°	22.10	21.68	21.31	22.03	22.16	22.04	22.26	22.09
Star : Upper ratio	%	47.88 : 52.12	48.63 : 51.37	50.26 : 49.74	50.29 : 49.71	49.93 : 50.07	48.73 : 51.27	50.88 : 49.12	49.51 : 50.49
Lower girdle facets angle	°	41.52	41.54	42.35	42.19	41.63	41.55	41.59	41.54
		41.66	41.69	41.69	41.62	41.63	41.76	41.63	41.50
Table	%	54.22	54.72	54.66	53.99				
Table	mm	2.867	2.893	2.890	2.854				
Twist	°	0.33	1.07	0.05	0.37	0.63	0.82	0.66	1.73
Girdle Bezel	%	3.32	2.96	3.07	3.35	3.24	2.98	3.15	2.78
Girdle Bezel	mm	0.175	0.156	0.162	0.177	0.171	0.157	0.167	0.147
Girdle Bone	%	3.76	2.98	3.29	3.39	3.49	3.27	3.10	3.36
Girdle Bone	mm	0.199	0.157	0.174	0.179	0.184	0.173	0.164	0.178
Girdle Valley	%	1.99	1.77	1.26	1.66	1.53	1.67	1.84	1.89
		1.73	1.64	1.53	1.82	1.65	1.37	1.57	1.93
Girdle Valley	mm	0.105	0.094	0.066	0.088	0.081	0.089	0.097	0.100
		0.092	0.087	0.081	0.096	0.087	0.072	0.083	0.102