

Table 5: Isocon method

Oxide (wt%)	Marble (M)	Density g/cm ³ (marble- 2.75/metasomatized marble-2.74)		Concentration to define isochon	
SiO ₂	2.25	1.003649635		2.258211679	
Al ₂ O ₃	0.22	1.003649635		0.22080292	
Feo	0.3	1.003649635		0.301094891	
MnO	0.014	1.003649635		0.014051095	
MgO	20.72	1.003649635		20.79562044	
CaO	30.35	1.003649635		30.46076642	
Element (ppm)					
Cr	20	1.003649635		20.0729927	
Y	1.3	1.003649635		1.304744526	
Ba	8	1.003649635		8.02919708	
Tl	0.05	1.003649635		0.050182482	
Oxide (wt%)	Marble (M)	Metasomatized marble (MM)	Difference	Increase/Decrease (%)	
SiO ₂	2.25	14.67		12.42	552.00
Al ₂ O ₃	0.22	0.84		0.62	281.82
Feo	0.3	2.13		1.83	610.00
MnO	0.014	0.044		0.03	214.29
MgO	20.72	18.1		-2.62	-12.64
CaO	30.35	31.74		1.39	4.58
Na ₂ O	0.03	0.02		-0.01	-33.33
K ₂ O	0.01	0.03		0.02	200.00
TiO ₂	0.008	0.047		0.039	487.50
Element (ppm)	Marble (M)	Metasomatized marble (MM)	Difference	Increase/Decrease (%)	
La	0.73	7.13		6.4	876.71
Ce	1.22	11.9		10.68	875.41
Pr	0.14	1.24		1.1	785.71
Lu	0.012	0.104		0.092	766.67
Sm	0.11	0.93		0.82	745.45
Nd	0.5	4.21		3.71	742.00
Eu	0.039	0.307		0.268	687.18
Yb	0.08	0.62		0.54	675.00
Tm	0.012	0.089		0.077	641.67
Th	0.25	1.69		1.44	576.00
Ho	0.03	0.2		0.17	566.67
Er	0.09	0.58		0.49	544.44
Dy	0.16	0.89		0.73	456.25
Gd	0.16	0.88		0.72	450.00
Cs	0.1	0.5		0.4	400.00
Tb	0.03	0.14		0.11	366.67
Y	1.3	6		4.7	361.54
U	0.23	0.93		0.7	304.35
V	5	16		11	220.00
Sr	53	142		89	167.92
Tl	0.05	0.12		0.07	140.00
Zr	4	9		5	125.00
Ba	8	16		8	100.00
Nb	0.2	0.4		0.2	100.00
Cr	20	30		10	50.00