

Analytical Data for 47 Samples from the Quarries of Lithos Lartios at Rhodes

An appendix to "[The Docimium Marbles of the Sculptures of the Grotto of Tiberius at Sperlonga](#)," by Matthias Bruno, Donato Attanasio, and Walter Prochaska (*AJA* 119 [2015] 375–94).

Isotopic and EPR variables are given as ‰ or %, with respect to specific standards (Pee Dee Belemnite for isotopes and Dolomite N368 BCS for EPR). Color is shown as a % value relative to the Kodak 8-bit gray scale (0 = black, 255 = white).

Sample Label	District	MGS (mm)	$\delta^{18}\text{O}$ (‰)	$\delta^{13}\text{C}$ (‰)	EPR Intensity (%)	EPR Line Width (%)	Color (%)	Sr (ppm)
RB1	1	1.6	-2.35	2.50	2.6	47.3	31	182
RB2	1	1.3	-2.41	2.01	5.4	40.7	24	188
RB3	1	1.7	-3.65	2.41	17.0	44.4	20	199
RC1	2	1.8	-2.43	2.37	3.3	45.4	38	176
RC2	2	1.1	-2.33	2.42	11.5	44.5	31	180
RC3	2	1.3	-2.65	2.53	1.3	51.6	49	160
RC4	2	–	-2.67	2.46	6.0	46.3	35	185
RD1	2	1.3	-2.47	1.53	12.3	46.5	46	170
RD2	2	1.1	-2.13	2.04	12.5	41.5	39	197
RD3	2	1.1	-2.26	2.49	9.5	48.4	43	163
RD4	2	1.2	-2.94	0.20	13.7	48.4	29	158
RD5	2	1.8	-2.76	1.46	5.7	54.9	52	172
RD6	2	0.9	-3.14	2.10	10.3	51.4	35	169
RE1	3	1.2	-2.53	2.06	4.2	48.9	45	184
RE2	3	1.1	-2.47	2.01	5.5	51.3	34	143
RE3	3	1.6	-2.61	1.96	7.8	46.5	29	183
RE4	3	1.3	-2.55	1.81	6.5	45.3	31	195
RE5	3	0.9	-2.50	1.74	3.6	51.1	41	219
RF1	3	1.3	-2.60	1.67	6.0	48.1	51	180
RF2	3	2.5	-2.67	1.70	6.4	52.0	35	160
RF3	3	–	-2.79	1.81	7.0	47.4	26	184
RF4	3	2.0	-2.80	1.78	6.6	45.5	33	163
RF5	3	1.2	-2.71	2.14	5.6	49.3	34	182
RF6	3	1.8	-2.75	1.68	8.1	49.7	54	171
RG1	3	2.3	-2.66	2.06	7.9	47.4	43	174
RG2	3	2.0	-2.65	1.66	6.3	50.9	36	174
RG3	3	1.8	-2.65	2.20	1.2	41.3	51	126
RG4	3	1.3	-2.88	1.95	6.0	44.9	38	137
RG5	3	2.8	-2.60	1.78	8.1	42.5	46	114

EPR = electron paramagnetic resonance; MGS = maximum grain size; ppm = parts per million; Sr = strontium

Sample Label	District	MGS (mm)	$\delta^{18}\text{O}$ (‰)	$\delta^{13}\text{C}$ (‰)	EPR Intensity (%)	EPR Line Width (%)	Color (%)	Sr (ppm)
RH1	3	2.0	-3.55	1.29	4.1	50.8	49	-
RH2	3	2.3	-3.56	2.02	5.9	47.3	33	-
RH3	3	2.5	-3.26	2.06	7.1	45.9	47	-
RH4	3	3.5	-4.02	2.32	7.0	47.3	58	-
RH5	3	2.5	-2.84	1.66	7.6	48.5	60	-
RS1	4	1.1	-2.38	1.88	5.2	52.0	25	-
RS2	4	1.3	-2.44	2.21	2.6	41.1	44	-
RS3	4	1.0	-2.58	1.93	16.8	47.9	16	-
RS4	4	0.9	-2.54	2.21	7.4	47.1	20	-
RS5	4	0.9	-2.47	1.82	20.6	56.7	25	-
RS6	4	0.8	-2.84	2.33	6.4	51.9	35	-
RS7	4	1.2	-2.73	1.89	9.6	45.4	25	-
RS8	4	1.1	-2.72	1.78	10.1	41.5	22	-
RA1	4	0.9	-2.00	2.80	8.6	56.0	35	197
RA2	4	1.4	-1.65	2.63	10.5	48.1	48	199
RA3	4	0.9	-2.29	2.38	14.22	45.4	50	138
RA4	4	0.6	-1.46	2.43	3.37	49.1	53	206
RA5	4	1.0	-2.01	2.77	5.61	52.9	33	202

EPR = electron paramagnetic resonance; MGS = maximum grain size; ppm = parts per million; Sr = strontium