

**Table: Data of 105 samples of Tell Kazel, Syria**

Referenz: Badre, L., Boileau, M.-C., Jung, R., Mommsen, H., with an appendix by Kerschner, M., 2006, The provenance of Aegean- and Syrian-type pottery found at Tell Kazel (Syria), Ägypten & Levante, Manfred Bietak (ed.), 15 - 47

Concentrations of elements C measured by NAA, University Bonn, in  $\mu g/g$  (ppm), if not indicated otherwise, and average errors, also in percent of C

Sample	factor	As	Ba	Ca%	Ce	Co	Cr	Cs	Eu	Fe%	Ga
Tkaz 1	1.000	5.93	407.	9.04	61.5	27.4	214.	8.63	1.14	5.21	23.4
Tkaz 2	1.000	15.4	429.	9.16	55.0	26.8	247.	10.7	1.08	5.29	24.2
Tkaz 3	1.000	6.50	385.	9.69	49.9	24.3	187.	5.87	0.99	4.00	18.6
Tkaz 4	1.000	8.95	490.	9.02	55.6	26.3	201.	7.78	1.09	4.72	22.1
Tkaz 5	1.000	7.03	437.	9.71	58.7	25.8	203.	8.03	1.08	4.81	22.6
Tkaz 6	1.000	4.74	376.	10.5	57.6	30.6	217.	8.65	1.14	5.58	24.4
Tkaz 7	1.000	22.4	402.	9.43	59.5	25.2	216.	8.39	1.11	5.23	27.3
Tkaz 8	1.000	5.26	380.	10.2	50.0	22.3	208.	6.02	1.06	4.32	21.5
Tkaz 9	1.000	7.43	302.	11.3	51.9	44.5	263.	1.51	1.85	7.86	20.9
Tkaz 10	1.000	8.31	517.	10.1	57.6	42.8	248.	1.44	1.79	7.39	21.4
Tkaz 11	1.000	10.2	857.	15.2	51.0	31.2	181.	0.75	1.40	5.69	19.1
Tkaz 12	1.000	8.61	570.	8.71	52.4	46.8	270.	1.56	1.93	7.84	24.0
Tkaz 13	1.000	4.29	388.	9.77	57.4	29.5	212.	8.44	1.18	4.86	21.9
Tkaz 14	1.000	15.5	504.	6.35	95.9	28.2	225.	12.7	1.57	5.28	31.6
Tkaz 15	1.000	8.08	400.	10.7	34.5	32.8	309.	4.92	1.00	5.72	20.0
Tkaz 16	1.000	13.1	507.	11.5	55.9	43.6	241.	1.59	1.69	7.24	22.8
Tkaz 17	1.000	5.24	425.	7.29	60.3	28.9	198.	8.83	1.20	5.33	24.0
Tkaz 18	1.000	5.47	397.	9.35	65.5	30.9	201.	8.27	1.18	5.19	25.3
Tkaz 19	1.000	13.4	433.	9.83	61.2	29.9	230.	8.65	1.17	5.70	29.7
Tkaz 20	1.000	7.61	370.	13.1	32.0	18.6	249.	2.40	0.84	3.89	15.5
Tkaz 21	1.000	4.49	444.	10.6	59.9	29.4	221.	8.83	1.13	5.20	28.5
Tkaz 22	1.000	5.13	329.	9.26	59.0	27.2	195.	7.46	1.16	4.73	23.4
Tkaz 23	1.000	5.18	466.	8.64	63.5	25.4	212.	8.12	1.12	5.08	25.3
Tkaz 24	1.000	2.71	362.	9.05	62.6	27.7	224.	8.10	1.10	5.03	26.6
Tkaz 25	1.000	6.21	557.	8.59	64.3	26.2	200.	8.14	1.21	5.00	28.6
Tkaz 26	1.000	13.9	400.	11.7	51.0	18.6	191.	5.11	1.03	3.39	14.4
Tkaz 27	1.000	9.71	367.	9.98	60.9	30.3	237.	9.57	1.15	5.67	30.0
Tkaz 28	1.000	7.07	415.	8.92	61.4	22.9	202.	6.10	1.20	3.76	23.3
Tkaz 29	1.000	13.1	404.	12.8	53.4	15.3	111.	1.28	1.10	4.42	15.3
Tkaz 30	1.000	21.7	1205.	8.68	57.0	26.6	221.	7.86	1.08	5.04	29.2
Tkaz 31	1.000	9.13	443.	11.3	62.6	28.4	207.	8.83	1.17	5.18	26.4
Tkaz 32	1.000	14.0	522.	11.9	67.3	27.4	265.	3.08	1.62	6.04	24.4
Tkaz 33	1.000	6.19	425.	10.2	65.8	28.7	193.	8.62	1.16	5.09	25.0
Tkaz 34	1.000	6.78	406.	9.16	67.5	30.0	219.	8.90	1.15	5.22	21.5
Tkaz 35	1.000	5.78	399.	10.1	56.6	27.1	209.	8.10	1.13	4.54	26.5
Tkaz 36	1.000	28.7	423.	9.86	63.7	28.6	208.	7.52	1.21	5.17	29.1
Tkaz 37	1.000	4.11	397.	12.8	58.8	27.8	238.	9.03	1.06	5.15	22.9
Tkaz 38	1.000	15.8	317.	10.7	57.8	26.6	223.	7.25	1.09	4.50	19.6
Tkaz 39	1.000	7.92	430.	13.7	70.5	33.3	190.	3.16	1.45	6.32	19.8
Tkaz 40	1.000	7.17	310.	13.8	60.2	35.6	227.	2.14	1.69	6.33	19.7

**Table ff: Data of 105 samples of Tell Kazel, Syria**

Sample	factor	As	Ba	Ca%	Ce	Co	Cr	Cs	Eu	Fe%	Ga
Tkaz 41	1.000	7.81	328.	9.86	68.7	47.3	280.	1.88	1.99	8.31	24.5
Tkaz 42	1.000	6.85	603.	9.38	57.4	29.6	239.	8.38	1.01	4.94	26.6
Tkaz 43	1.000	7.57	331.	10.3	57.1	30.2	219.	6.66	1.06	4.40	22.0
Tkaz 44	1.000	4.34	267.	11.1	59.9	25.1	203.	7.95	0.95	4.61	24.8
Tkaz 45	1.000	6.25	610.	11.5	59.9	23.1	221.	7.20	1.05	4.51	24.3
Tkaz 46	1.000	7.36	350.	12.9	57.0	25.2	184.	7.24	0.97	4.29	23.7
Tkaz 47	1.000	5.31	260.	10.9	53.0	25.2	232.	6.52	0.98	4.27	19.7
Tkaz 48	1.000	4.37	458.	9.47	64.2	25.8	213.	8.27	1.22	5.08	19.1
Tkaz 49	1.000	20.3	739.	11.5	66.5	44.0	260.	1.67	1.89	7.79	17.1
Tkaz 50	1.000	5.48	420.	11.5	58.8	24.7	198.	8.00	1.12	4.65	21.0
Tkaz 51	1.000	7.84	381.	7.84	60.1	25.6	190.	7.84	1.08	4.88	21.7
Tkaz 52	1.000	9.10	440.	9.86	60.8	28.1	189.	7.91	1.10	5.03	20.7
Tkaz 53	1.000	16.2	469.	9.16	53.6	41.9	630.	5.64	1.06	5.19	16.8
Tkaz 54	1.000	10.8	433.	9.88	51.1	37.6	588.	4.98	0.98	4.86	14.5
Tkaz 55	1.000	19.9	407.	21.8	33.8	9.80	81.2	0.88	0.85	2.59	8.42
Tkaz 56	1.000	36.1	563.	5.08	152.	55.1	203.	2.51	1.46	5.62	20.0
Tkaz 57	1.000	12.4	660.	3.15	144.	52.2	294.	4.01	2.48	8.31	23.7
Tkaz 58	1.000	15.8	706.	5.62	97.6	46.2	330.	3.02	2.26	9.42	23.3
Tkaz 59	1.000	14.7	374.	4.70	90.8	32.8	201.	3.07	1.17	5.44	18.4
Tkaz 60	1.000	18.7	592.	1.49	122.	49.3	318.	2.30	1.75	7.58	20.6
Tkaz 61	1.000	10.6	614.	5.51	86.2	45.2	255.	2.27	1.90	7.86	21.7
Tkaz 62	1.000	15.1	628.	20.3	39.5	14.1	107.	1.22	1.08	3.36	11.5
Tkaz 63	1.000	6.34	551.	10.0	58.0	39.7	236.	1.08	1.67	6.91	17.0
Tkaz 64	1.000	6.54	641.	9.99	68.2	46.2	274.	1.65	1.93	8.06	19.1
Tkaz 65	1.000	14.0	561.	4.17	62.8	20.7	171.	6.81	1.07	4.27	19.2
Tkaz 66	1.000	24.5	595.	5.47	65.8	20.9	163.	8.17	1.27	4.31	19.3
Tkaz 67	1.000	5.56	476.	10.8	59.2	27.0	207.	8.28	1.10	4.89	21.5
Tkaz 68	1.000	8.50	534.	15.1	34.7	15.0	241.	2.11	0.89	3.32	13.7
Tkaz 69	1.000	13.7	577.	7.65	88.1	21.0	177.	13.0	1.55	4.94	21.4
Tkaz 70	1.000	8.92	514.	8.47	66.4	28.0	219.	9.39	1.22	5.31	26.6
Tkaz 71	1.000	9.30	439.	10.6	48.6	20.2	134.	2.93	1.10	4.02	14.5
Tkaz 72	1.000	10.7	457.	5.10	52.9	26.4	197.	6.30	0.95	4.85	26.2
Tkaz 73	1.000	10.0	632.	13.5	80.3	36.7	214.	4.01	1.78	6.79	23.2
Tkaz 74	1.000	18.2	454.	13.8	60.6	21.0	136.	2.14	1.21	5.03	14.7
Tkaz 75	1.000	16.2	468.	13.0	74.2	26.5	238.	3.99	1.66	5.83	21.2
Tkaz 76	1.000	8.84	684.	9.41	70.8	49.7	267.	1.74	1.97	8.17	20.0
Tkaz 77	1.000	19.4	606.	10.4	81.9	30.5	189.	1.91	1.66	6.72	20.8
Tkaz 78	1.000	6.57	681.	11.7	67.8	48.0	269.	1.57	1.97	8.17	26.3
Tkaz 79	1.000	7.52	496.	13.5	63.2	44.3	249.	1.23	1.78	7.56	23.5
Tkaz 80	1.000	8.80	516.	11.9	69.2	44.1	256.	1.74	1.83	7.45	21.2

**Table ff: Data of 105 samples of Tell Kazel, Syria**

Sample	factor	As	Ba	Ca%	Ce	Co	Cr	Cs	Eu	Fe%	Ga
Tkaz 81	1.000	9.36	729.	9.39	71.3	49.7	274.	1.55	2.01	8.35	27.4
Tkaz 82	1.000	7.85	690.	10.5	66.7	46.5	257.	1.62	1.94	7.93	20.2
Tkaz 83	1.000	14.7	457.	11.6	45.7	28.1	303.	5.78	1.08	5.21	19.6
Tkaz 84	1.000	13.7	462.	11.5	72.1	32.9	213.	1.76	1.77	6.84	15.6
Tkaz 85	1.000	16.0	509.	10.0	77.4	22.4	223.	3.35	1.67	4.60	16.2
Tkaz 86	1.000	6.44	441.	10.4	68.4	47.0	266.	1.62	1.91	8.12	16.2
Tkaz 87	1.000	15.0	307.	1.63	144.	51.8	287.	2.94	2.02	7.90	23.4
Tkaz 88	1.000	13.3	487.	8.84	60.4	43.7	347.	1.30	1.27	9.53	18.9
Tkaz 89	1.000	9.37	761.	11.0	67.1	34.1	207.	1.48	1.63	6.46	15.6
Tkaz 90	1.000	11.4	456.	11.4	60.6	22.8	210.	3.68	1.31	5.50	16.5
Tkaz 91	1.000	18.4	772.	6.64	169.	31.2	180.	4.13	2.09	6.88	24.9
Tkaz 92	1.000	14.4	421.	11.3	84.4	29.2	259.	4.81	1.85	6.44	22.9
Tkaz 93	1.000	8.34	550.	11.2	71.5	33.6	230.	1.43	1.36	5.71	14.4
Tkaz 94	1.000	7.86	554.	4.72	77.3	49.5	706.	1.28	1.71	8.25	17.6
Tkaz 95	1.000	5.77	484.	6.48	62.0	47.6	405.	1.76	1.47	11.9	28.6
Tkaz 96	1.000	12.1	325.	16.7	42.8	14.9	110.	1.12	1.05	4.09	11.6
Tkaz 97	1.000	18.6	552.	2.37	65.1	20.2	143.	9.03	1.04	4.10	16.7
Tkaz 98	1.000	16.2	403.	10.1	85.2	22.4	225.	3.11	1.47	5.54	19.9
Tkaz 99	1.000	9.68	422.	11.2	64.5	43.6	245.	1.38	1.78	7.37	18.1
Tkaz 100	1.000	6.05	492.	10.2	56.2	26.6	203.	6.80	1.08	4.17	17.8
Tkaz 101	1.000	18.9	422.	1.74	99.5	36.6	235.	2.33	1.21	5.32	16.2
Tkaz 102	1.000	12.0	521.	5.96	81.8	45.0	276.	1.87	1.89	8.52	21.0
Tkaz 103	1.000	12.6	545.	4.97	77.7	35.8	266.	1.96	1.98	7.82	22.3
Tkaz 104	1.000	15.5	530.	3.17	80.6	42.5	302.	1.71	1.94	8.37	17.8
Tkaz 105	1.000	13.9	626.	4.40	95.8	52.9	320.	2.37	2.15	9.34	20.9
av.meas.error		0.097	38.	0.20	1.2	0.17	1.2	0.092	0.027	0.023	1.8
in %		0.9	7.9	2.0	1.8	0.5	0.5	1.9	1.9	0.4	8.7

**Table: Data of 105 samples of Tell Kazel, Syria**

Referenz: Badre, L., Boileau, M.-C., Jung, R., Mommsen, H., with an appendix by Kerschner, M., 2006, The provenance of Aegean- and Syrian-type pottery found at Tell Kazel (Syria), Ägypten & Levante, Manfred Bietak (ed.), 15 - 47

Concentrations of elements C measured by NAA, University Bonn, in  $\mu\text{g/g}$  (ppm), if not indicated otherwise, and average errors, also in percent of C

Sample	factor	Hf	K %	La	Lu	Na%	Nd	Ni	Rb	Sb	Sc
Tkaz 1	1.000	3.81	2.82	31.4	0.40	0.55	25.9	255.	161.	0.63	21.0
Tkaz 2	1.000	3.53	3.28	30.3	0.41	0.48	20.1	153.	173.	0.51	22.1
Tkaz 3	1.000	3.48	2.32	25.1	0.35	0.67	21.1	192.	123.	0.31	16.3
Tkaz 4	1.000	3.60	2.54	29.1	0.39	0.56	26.9	201.	157.	0.56	18.9
Tkaz 5	1.000	3.83	2.59	29.3	0.38	0.58	29.9	201.	151.	0.52	19.6
Tkaz 6	1.000	3.47	2.83	31.5	0.39	0.46	27.0	227.	162.	0.53	20.9
Tkaz 7	1.000	3.53	2.83	30.5	0.40	0.44	25.9	207.	168.	0.58	21.0
Tkaz 8	1.000	3.48	2.14	27.0	0.35	0.60	24.9	163.	128.	0.31	17.6
Tkaz 9	1.000	5.47	0.91	29.7	0.38	1.11	24.3	242.	44.4	0.26	19.4
Tkaz 10	1.000	5.56	0.93	28.4	0.38	1.39	18.6	185.	43.3	0.33	18.4
Tkaz 11	1.000	4.45	0.75	24.1	0.34	0.64	27.3	143.	47.3	0.43	14.3
Tkaz 12	1.000	5.75	0.91	29.7	0.39	1.42	25.8	117.	41.3	0.32	19.6
Tkaz 13	1.000	3.84	2.70	31.0	0.39	0.54	26.4	226.	150.	0.59	20.1
Tkaz 14	1.000	4.73	3.16	51.2	0.56	1.16	35.7	372.	208.	2.15	17.0
Tkaz 15	1.000	2.78	2.09	20.4	0.37	0.61	18.2	335.	89.6	0.80	24.3
Tkaz 16	1.000	5.82	0.99	28.9	0.41	0.99	23.5	190.	45.0	0.40	18.2
Tkaz 17	1.000	3.82	2.85	32.8	0.45	0.48	34.6	257.	168.	0.62	21.8
Tkaz 18	1.000	3.81	2.82	31.7	0.45	0.55	31.2	292.	161.	0.61	20.9
Tkaz 19	1.000	3.53	3.06	32.4	0.44	0.37	28.0	214.	165.	0.57	22.8
Tkaz 20	1.000	2.40	2.23	16.5	0.31	0.93	16.1	176.	64.9	0.51	17.1
Tkaz 21	1.000	3.54	2.47	31.5	0.41	0.59	23.0	224.	158.	0.64	20.9
Tkaz 22	1.000	3.92	2.50	29.6	0.43	0.72	31.3	213.	135.	0.48	19.2
Tkaz 23	1.000	3.90	2.78	31.1	0.42	0.62	28.1	160.	157.	0.61	20.7
Tkaz 24	1.000	3.98	2.44	30.2	0.41	0.80	31.2	217.	169.	0.49	19.9
Tkaz 25	1.000	3.89	2.60	31.5	0.46	0.61	28.2	223.	154.	0.58	20.2
Tkaz 26	1.000	3.53	2.13	24.9	0.32	0.68	30.3	195.	103.	1.16	13.8
Tkaz 27	1.000	3.34	3.05	31.7	0.40	0.37	30.0	293.	175.	0.61	22.5
Tkaz 28	1.000	4.24	2.14	29.1	0.37	0.56	33.9	191.	124.	0.54	15.2
Tkaz 29	1.000	6.19	0.84	24.9	0.30	0.18	26.0	153.	43.8	0.62	11.3
Tkaz 30	1.000	3.60	2.73	28.9	0.41	0.88	28.4	227.	151.	0.59	20.0
Tkaz 31	1.000	3.29	2.76	30.8	0.41	0.40	30.7	252.	155.	0.52	20.8
Tkaz 32	1.000	5.93	1.69	31.4	0.44	0.68	30.5	179.	72.1	0.74	19.1
Tkaz 33	1.000	3.62	3.04	31.6	0.43	0.54	31.9	213.	174.	0.50	21.5
Tkaz 34	1.000	3.47	2.90	31.6	0.43	0.55	35.0	217.	164.	0.63	21.4
Tkaz 35	1.000	3.60	2.69	28.6	0.39	0.57	30.1	218.	139.	0.51	18.6
Tkaz 36	1.000	3.82	2.47	31.8	0.40	0.60	28.2	210.	146.	0.61	19.4
Tkaz 37	1.000	3.31	2.10	30.1	0.43	0.70	23.8	314.	135.	0.46	21.3
Tkaz 38	1.000	3.69	2.30	29.0	0.37	0.54	24.2	268.	139.	0.59	18.8
Tkaz 39	1.000	5.38	1.32	32.2	0.39	0.29	27.3	208.	65.3	0.64	18.6
Tkaz 40	1.000	4.74	1.19	28.3	0.39	0.59	27.1	135.	56.3	0.55	17.4

**Table ff: Data of 105 samples of Tell Kazel, Syria**

Sample	factor	Hf	K %	La	Lu	Na%	Nd	Ni	Rb	Sb	Sc
Tkaz 41	1.000	6.02	1.03	31.5	0.39	1.34	27.6	253.	45.8	0.24	21.3
Tkaz 42	1.000	3.45	2.44	29.4	0.41	0.47	22.6	229.	156.	0.54	20.4
Tkaz 43	1.000	3.59	2.29	28.4	0.38	0.55	21.6	252.	134.	0.66	18.3
Tkaz 44	1.000	3.45	2.54	29.5	0.39	0.48	23.8	164.	132.	0.52	18.8
Tkaz 45	1.000	3.66	2.37	29.7	0.39	0.55	23.3	169.	128.	0.50	18.4
Tkaz 46	1.000	2.74	2.41	29.3	0.40	0.41	22.3	147.	122.	0.49	18.1
Tkaz 47	1.000	3.59	2.15	26.3	0.33	0.74	20.0	263.	123.	0.49	17.0
Tkaz 48	1.000	4.41	2.45	31.0	0.41	0.70	24.9	263.	146.	0.64	19.1
Tkaz 49	1.000	5.69	0.92	29.8	0.40	0.98	21.9	190.	41.6	0.42	19.6
Tkaz 50	1.000	3.50	2.52	29.3	0.40	0.51	22.5	146.	142.	0.61	18.8
Tkaz 51	1.000	3.63	2.91	30.2	0.38	0.53	24.7	209.	154.	0.59	19.4
Tkaz 52	1.000	3.44	2.74	30.4	0.40	0.43	26.8	220.	148.	0.63	19.8
Tkaz 53	1.000	4.11	1.93	26.7	0.37	0.79	21.5	450.	89.9	1.58	20.1
Tkaz 54	1.000	3.87	1.57	25.3	0.33	0.77	19.2	448.	82.1	1.22	19.0
Tkaz 55	1.000	2.62	1.22	18.2	0.22	0.15	23.1	58.8	46.0	0.47	8.24
Tkaz 56	1.000	10.3	1.45	35.9	0.47	0.20	25.7	156.	65.5	0.72	16.9
Tkaz 57	1.000	12.8	0.86	55.7	0.67	0.13	47.5	141.	71.5	0.87	23.2
Tkaz 58	1.000	7.96	1.29	41.0	0.56	0.57	35.9	155.	56.2	0.81	23.5
Tkaz 59	1.000	9.73	1.37	30.5	0.41	0.15	30.4	156.	74.2	0.66	15.7
Tkaz 60	1.000	12.5	1.50	45.1	0.56	0.45	37.3	144.	71.0	0.67	18.9
Tkaz 61	1.000	7.26	0.84	34.6	0.48	0.44	27.9	222.	53.6	0.63	20.7
Tkaz 62	1.000	2.93	1.43	21.1	0.24	0.26	27.9	165.	52.6	0.71	10.6
Tkaz 63	1.000	5.20	1.05	25.4	0.36	0.82	28.2	225.	54.2	0.30	16.7
Tkaz 64	1.000	5.75	0.96	30.6	0.43	1.03	31.7	181.	44.5	0.32	20.3
Tkaz 65	1.000	4.21	3.28	30.5	0.32	0.73	33.2	164.	143.	1.23	17.0
Tkaz 66	1.000	4.89	2.80	32.8	0.38	0.79	23.2	88.6	132.	1.54	16.7
Tkaz 67	1.000	3.39	2.88	29.7	0.38	0.38	29.8	236.	155.	0.56	20.1
Tkaz 68	1.000	2.70	1.15	18.2	0.31	0.89	18.8	219.	76.5	0.43	14.1
Tkaz 69	1.000	5.34	2.38	41.4	0.50	0.77	41.7	169.	146.	3.00	18.7
Tkaz 70	1.000	3.91	3.05	33.3	0.45	0.52	28.4	229.	178.	0.50	22.0
Tkaz 71	1.000	2.92	1.56	22.7	0.36	0.76	27.8	101.	62.8	0.52	15.9
Tkaz 72	1.000	4.01	3.36	24.9	0.36	0.61	28.8	163.	156.	0.55	18.0
Tkaz 73	1.000	6.46	1.81	37.8	0.45	0.24	40.0	223.	77.3	0.77	20.6
Tkaz 74	1.000	6.45	1.06	26.1	0.33	0.15	28.8	215.	55.4	1.26	12.7
Tkaz 75	1.000	5.98	1.68	36.0	0.43	0.76	36.5	164.	77.9	0.77	18.0
Tkaz 76	1.000	5.88	1.03	30.8	0.43	1.27	30.9	207.	50.3	0.29	20.6
Tkaz 77	1.000	6.49	0.94	32.5	0.47	0.21	34.1	175.	69.1	0.78	17.5
Tkaz 78	1.000	5.85	1.09	30.8	0.43	1.04	32.5	157.	42.7	0.40	20.2
Tkaz 79	1.000	5.37	0.97	27.9	0.37	1.05	28.8	123.	44.7	0.22	18.4
Tkaz 80	1.000	6.16	1.02	30.1	0.41	1.00	29.0	130.	44.0	0.42	18.7

**Table ff: Data of 105 samples of Tell Kazel, Syria**

Sample	factor	Hf	K %	La	Lu	Na%	Nd	Ni	Rb	Sb	Sc
Tkaz 81	1.000	6.25	1.36	30.8	0.42	1.08	34.4	111.	52.6	0.43	21.3
Tkaz 82	1.000	5.79	1.27	29.5	0.42	1.24	29.3	140.	48.5	0.49	20.5
Tkaz 83	1.000	3.38	1.71	23.3	0.38	1.26	26.5	321.	136.	0.68	22.4
Tkaz 84	1.000	5.98	1.35	32.8	0.41	0.39	30.4	69.8	49.8	0.71	17.1
Tkaz 85	1.000	5.86	1.63	34.5	0.46	0.61	31.0	120.	81.6	0.57	16.1
Tkaz 86	1.000	5.94	1.15	30.9	0.43	1.34	30.4	159.	39.4	0.41	20.2
Tkaz 87	1.000	12.8	1.08	49.4	0.62	0.18	38.6	72.8	70.7	0.85	20.9
Tkaz 88	1.000	13.4	0.59	22.4	0.42	0.30	22.9	157.	54.7	0.63	17.7
Tkaz 89	1.000	5.60	0.89	29.7	0.38	0.33	29.7	101.	69.9	0.50	15.3
Tkaz 90	1.000	5.48	1.80	27.4	0.38	0.45	25.0	189.	85.2	0.70	16.4
Tkaz 91	1.000	8.66	1.65	51.3	0.62	0.28	45.3	201.	110.	1.40	21.7
Tkaz 92	1.000	6.82	1.30	40.3	0.50	0.80	36.6	226.	78.6	1.04	20.6
Tkaz 93	1.000	6.38	0.76	26.4	0.35	0.31	21.9	115.	52.2	0.63	14.3
Tkaz 94	1.000	9.32	1.07	28.5	0.43	0.58	26.5	204.	53.0	0.52	18.2
Tkaz 95	1.000	7.05	0.68	25.8	0.43	0.65	18.5	205.	30.6	0.59	30.9
Tkaz 96	1.000	3.63	0.59	21.5	0.29	0.19	20.2	76.2	35.4	0.95	10.4
Tkaz 97	1.000	5.14	3.23	31.3	0.38	0.92	22.6	130.	144.	1.82	15.7
Tkaz 98	1.000	5.91	1.10	32.8	0.43	0.33	26.4	132.	75.1	0.87	16.5
Tkaz 99	1.000	5.37	0.85	28.4	0.46	1.12	27.5	185.	42.1	0.52	18.9
Tkaz 100	1.000	3.72	2.21	28.8	0.41	0.63	24.2	181.	126.	0.66	17.4
Tkaz 101	1.000	12.4	1.29	32.3	0.50	0.14	26.1	67.0	66.4	0.70	15.8
Tkaz 102	1.000	6.90	1.57	34.0	0.46	0.49	31.8	150.	60.1	0.78	20.9
Tkaz 103	1.000	6.53	1.70	36.5	0.48	0.44	37.0	190.	78.6	0.51	19.9
Tkaz 104	1.000	6.37	1.66	34.4	0.46	0.54	32.1	118.	76.5	0.55	21.5
Tkaz 105	1.000	7.82	1.26	38.1	0.55	0.60	33.9	139.	62.3	0.78	23.3
av.meas.error		0.070	0.023	0.087	0.016	0.004	2.6	38.	2.7	0.065	0.025
in %		1.3	1.2	0.3	4.0	0.6	9.5	20.	2.7	9.7	0.1

**Table ff: Data of 105 samples of Tell Kazel, Syria**

Referenz: Badre, L., Boileau, M.-C., Jung, R., Mommsen, H., with an appendix by Kerschner, M., 2006, The provenance of Aegean- and Syrian-type pottery found at Tell Kazel (Syria), Ägypten & Levante, Manfred Bietak (ed.), 15 - 47

Concentrations of elements C measured by NAA, University Bonn, in  $\mu\text{g/g}$  (ppm), if not indicated otherwise, and average errors, also in percent of C

Sample	factor	Sm	Ta	Tb	Th	Ti%	U	W	Yb	Zn	Zr
Tkaz 1	1.000	5.01	0.70	0.73	11.0	0.70	2.37	1.91	2.81	101.	172.
Tkaz 2	1.000	4.64	0.68	0.66	11.0	0.52	2.43	2.22	2.74	86.9	151.
Tkaz 3	1.000	4.29	0.56	0.53	8.92	0.51	1.90	1.68	2.35	109.	147.
Tkaz 4	1.000	4.71	0.63	0.71	10.1	0.42	2.32	2.16	2.56	115.	111.
Tkaz 5	1.000	4.56	0.60	0.59	10.2	0.62	2.31	2.12	2.63	104.	134.
Tkaz 6	1.000	4.83	0.64	0.66	11.1	0.52	2.28	2.16	2.70	108.	145.
Tkaz 7	1.000	4.58	0.67	0.61	11.0	0.60	2.47	2.04	2.67	95.4	128.
Tkaz 8	1.000	4.40	0.59	0.58	9.27	0.46	2.03	1.74	2.59	98.9	132.
Tkaz 9	1.000	5.64	1.29	0.76	5.41	1.47	1.39	1.42	2.54	110.	229.
Tkaz 10	1.000	5.46	1.25	0.90	5.44	1.30	1.57	1.20	2.35	114.	239.
Tkaz 11	1.000	4.77	0.93	0.74	4.71	1.11	1.85	1.00	2.05	107.	179.
Tkaz 12	1.000	5.76	1.20	0.95	5.39	1.34	1.33	1.26	2.69	123.	245.
Tkaz 13	1.000	4.84	0.64	0.71	10.5	0.51	2.14	2.41	2.73	102.	147.
Tkaz 14	1.000	7.57	1.21	1.23	24.1	0.40	3.87	3.34	4.29	94.0	165.
Tkaz 15	1.000	3.40	0.53	0.52	6.98	0.52	1.68	1.57	2.22	96.1	91.4
Tkaz 16	1.000	5.40	1.29	0.76	5.58	1.33	1.63	1.30	2.51	102.	231.
Tkaz 17	1.000	5.04	0.71	0.68	11.6	0.48	2.36	2.33	2.91	126.	88.6
Tkaz 18	1.000	5.06	0.67	0.71	11.1	0.52	2.29	2.39	2.81	98.9	156.
Tkaz 19	1.000	5.05	0.66	0.64	11.3	0.48	2.62	2.36	2.91	102.	124.
Tkaz 20	1.000	3.15	0.35	0.49	4.70	0.62	1.89	1.16	1.97	103.	72.0
Tkaz 21	1.000	5.06	0.62	0.66	10.9	0.56	2.20	2.63	2.67	111.	126.
Tkaz 22	1.000	5.08	0.63	0.67	10.3	0.62	2.32	2.00	2.86	111.	129.
Tkaz 23	1.000	5.15	0.69	0.61	11.1	0.58	2.22	2.44	2.85	94.7	202.
Tkaz 24	1.000	5.10	0.64	0.62	10.9	0.51	2.30	2.14	2.68	113.	136.
Tkaz 25	1.000	5.32	0.65	0.73	10.9	0.52	2.22	2.19	2.76	121.	150.
Tkaz 26	1.000	4.67	0.52	0.62	7.94	0.60	2.93	1.93	2.42	81.7	120.
Tkaz 27	1.000	5.17	0.67	0.69	11.2	0.45	2.27	2.32	2.65	117.	145.
Tkaz 28	1.000	5.27	0.61	0.72	9.29	0.50	2.07	2.16	2.72	96.6	161.
Tkaz 29	1.000	4.53	0.80	0.67	5.78	0.62	2.63	1.17	2.21	74.6	249.
Tkaz 30	1.000	4.69	0.60	0.58	10.2	0.49	2.35	2.55	2.54	105.	134.
Tkaz 31	1.000	5.01	0.66	0.68	10.7	0.43	2.35	2.24	2.71	108.	148.
Tkaz 32	1.000	6.02	1.18	0.79	7.69	0.97	1.75	1.68	2.80	100.	214.
Tkaz 33	1.000	5.08	0.66	0.68	11.0	0.41	2.62	2.57	2.81	108.	136.
Tkaz 34	1.000	5.07	0.68	0.62	10.9	0.64	2.31	2.42	2.83	101.	114.
Tkaz 35	1.000	4.59	0.58	0.65	9.86	0.59	2.19	2.22	2.55	99.9	119.
Tkaz 36	1.000	5.07	0.61	0.74	10.5	0.43	2.35	2.72	2.73	106.	127.
Tkaz 37	1.000	4.33	0.73	1.08	10.4	0.82	2.53	1.99	2.64	74.8	129.
Tkaz 38	1.000	4.28	0.71	0.86	9.77	0.47	2.13	2.23	2.56	45.8	123.
Tkaz 39	1.000	5.12	1.55	1.04	7.79	0.95	1.90	1.86	2.54	53.4	201.
Tkaz 40	1.000	4.95	1.30	1.05	5.42	1.12	2.20	1.66	2.34	42.4	204.

Table ff: Data of 105 samples of Tell Kazel, Syria

Sample	factor	Sm	Ta	Tb	Th	Ti%	U	W	Yb	Zn	Zr
Tkaz 41	1.000	5.80	1.42	0.69	5.63	1.51	1.65	1.88	2.76	60.4	223.
Tkaz 42	1.000	4.13	0.81	0.37	10.4	0.66	2.38	2.48	2.61	73.4	115.
Tkaz 43	1.000	3.93	0.72	0.24	9.50	0.60	2.18	2.43	2.50	87.3	89.2
Tkaz 44	1.000	4.03	0.64	0.22	9.98	0.60	2.57	2.34	2.61	110.	90.1
Tkaz 45	1.000	4.10	0.69	0.73	9.94	1.74	2.22	2.38	2.66	99.6	129.
Tkaz 46	1.000	3.92	0.62	0.61	9.41	1.66	2.33	2.40	2.47	79.2	72.0
Tkaz 47	1.000	3.67	0.63	0.63	9.02	1.70	1.92	2.36	2.30	42.3	96.1
Tkaz 48	1.000	4.92	0.86	0.71	10.8	0.49	2.59	1.98	2.77	109.	228.
Tkaz 49	1.000	5.49	1.48	0.88	5.44	1.16	1.33	1.13	2.54	116.	255.
Tkaz 50	1.000	4.84	0.79	0.74	10.1	0.58	2.24	1.73	2.63	97.0	170.
Tkaz 51	1.000	4.73	0.83	0.74	10.5	0.48	2.41	1.95	2.69	118.	155.
Tkaz 52	1.000	4.76	0.78	0.68	10.6	0.56	2.29	1.78	2.62	124.	117.
Tkaz 53	1.000	4.01	0.66	0.57	9.41	0.54	1.88	1.37	2.26	103.	127.
Tkaz 54	1.000	3.95	0.63	0.55	8.77	0.62	1.68	1.55	2.16	112.	146.
Tkaz 55	1.000	3.47	0.73	0.53	3.71	0.64	3.54	0.48	1.72	64.4	89.3
Tkaz 56	1.000	5.88	1.49	0.84	10.2	0.85	2.09	1.52	3.34	68.7	358.
Tkaz 57	1.000	9.54	2.33	1.42	14.0	1.19	4.22	2.14	5.06	86.2	526.
Tkaz 58	1.000	7.19	2.01	1.04	8.41	1.47	2.26	1.54	3.54	131.	340.
Tkaz 59	1.000	4.91	1.53	0.68	9.97	0.70	2.21	1.46	2.87	85.9	406.
Tkaz 60	1.000	7.13	2.09	0.98	12.6	1.22	3.24	1.92	3.89	72.1	509.
Tkaz 61	1.000	6.45	1.82	0.95	7.91	1.38	2.23	1.56	3.01	107.	318.
Tkaz 62	1.000	3.88	0.88	0.60	4.36	0.67	3.12	0.69	1.82	74.0	121.
Tkaz 63	1.000	5.24	1.36	0.74	4.68	1.11	1.18	1.28	2.29	121.	172.
Tkaz 64	1.000	6.07	1.56	0.88	5.81	1.26	1.49	1.11	2.69	118.	275.
Tkaz 65	1.000	4.60	0.80	0.58	13.9	0.41	3.40	2.42	2.40	118.	138.
Tkaz 66	1.000	4.91	0.84	0.78	15.7	0.40	4.03	2.45	2.68	103.	169.
Tkaz 67	1.000	4.80	0.75	0.67	10.5	0.47	2.24	2.48	2.69	114.	106.
Tkaz 68	1.000	3.40	0.49	0.58	5.06	0.53	1.95	1.31	1.88	78.2	86.3
Tkaz 69	1.000	7.26	1.09	1.05	15.4	0.52	2.69	2.20	3.61	111.	190.
Tkaz 70	1.000	5.27	0.86	0.67	11.7	0.46	2.48	2.51	2.84	106.	122.
Tkaz 71	1.000	4.43	0.74	0.71	6.29	0.51	1.56	1.34	2.30	87.6	112.
Tkaz 72	1.000	4.24	0.81	0.62	10.5	0.50	2.30	2.38	2.53	117.	150.
Tkaz 73	1.000	6.93	1.93	1.00	9.29	1.23	1.78	1.82	3.05	142.	234.
Tkaz 74	1.000	4.77	1.07	0.60	6.40	0.57	3.30	0.99	2.40	79.6	191.
Tkaz 75	1.000	6.45	1.50	0.91	8.96	0.96	1.98	2.00	3.05	101.	226.
Tkaz 76	1.000	6.16	1.64	0.84	5.79	1.46	1.63	1.30	2.65	111.	260.
Tkaz 77	1.000	6.35	1.44	0.93	8.50	0.95	2.55	1.41	3.16	89.3	242.
Tkaz 78	1.000	6.22	1.56	1.05	5.47	1.26	1.59	1.50	2.78	128.	277.
Tkaz 79	1.000	5.83	1.46	0.80	4.89	1.36	1.43	1.06	2.49	135.	242.
Tkaz 80	1.000	5.96	1.57	0.88	6.00	1.27	1.66	1.36	2.69	109.	217.



**Table ff: Data of 105 samples of Tell Kazel, Syria**

Sample	factor	Sm	Ta	Tb	Th	Ti%	U	W	Yb	Zn	Zr
Tkaz 81	1.000	6.32	1.56	1.00	5.57	1.29	1.64	1.65	2.69	122.	266.
Tkaz 82	1.000	6.16	1.44	0.94	5.42	1.32	1.61	1.29	2.76	130.	339.
Tkaz 83	1.000	4.22	0.73	0.78	7.94	0.53	3.71	1.33	2.37	149.	105.
Tkaz 84	1.000	6.26	1.49	0.91	6.85	1.33	2.56	0.78	2.90	110.	252.
Tkaz 85	1.000	6.21	1.32	0.84	8.55	0.91	1.50	1.39	3.09	99.6	182.
Tkaz 86	1.000	6.36	1.45	0.88	5.48	1.37	1.30	1.13	2.60	114.	249.
Tkaz 87	1.000	7.98	2.23	1.02	13.7	1.23	3.93	1.91	4.30	89.6	433.
Tkaz 88	1.000	4.44	1.82	0.71	6.21	1.98	2.12	1.33	2.58	139.	476.
Tkaz 89	1.000	5.79	1.43	0.90	6.54	1.02	1.98	1.05	2.67	128.	181.
Tkaz 90	1.000	4.89	1.42	0.73	7.78	0.93	1.93	1.51	2.46	93.6	185.
Tkaz 91	1.000	8.97	1.94	1.24	14.7	0.71	3.84	2.16	4.25	135.	283.
Tkaz 92	1.000	7.28	1.69	0.92	10.3	0.95	2.23	1.53	3.33	105.	216.
Tkaz 93	1.000	4.57	1.29	0.66	6.84	1.11	2.11	1.10	2.48	105.	277.
Tkaz 94	1.000	5.75	1.70	0.79	7.23	1.65	2.23	1.49	2.94	125.	314.
Tkaz 95	1.000	4.96	2.11	0.67	7.00	2.13	1.66	1.45	2.39	129.	238.
Tkaz 96	1.000	3.65	0.78	0.54	4.80	0.84	2.27	0.91	2.00	74.7	121.
Tkaz 97	1.000	4.34	0.83	0.57	15.7	0.40	3.37	2.67	2.28	91.7	126.
Tkaz 98	1.000	5.65	1.35	0.77	9.07	0.93	1.76	1.24	2.89	85.4	221.
Tkaz 99	1.000	5.80	1.39	0.80	5.14	1.48	1.46	1.16	2.50	111.	212.
Tkaz 100	1.000	4.59	0.73	0.62	9.44	0.66	2.25	1.97	2.56	102.	107.
Tkaz 101	1.000	4.92	1.66	0.71	10.8	0.90	2.51	1.79	3.04	82.9	407.
Tkaz 102	1.000	6.73	1.80	0.89	7.45	1.40	2.12	1.31	2.92	114.	265.
Tkaz 103	1.000	7.03	1.64	0.95	7.22	1.35	1.77	1.25	3.02	122.	229.
Tkaz 104	1.000	6.55	1.74	0.86	6.45	1.39	1.98	1.21	2.66	129.	204.
Tkaz 105	1.000	7.58	1.97	1.06	7.89	1.62	2.35	1.68	3.31	120.	306.
av.meas.error		0.026	0.032	0.064	0.066	0.083	0.089	0.14	0.054	2.4	27.
in %		0.5	3.0	8.5	0.7	9.5	3.9	7.7	2.0	2.3	14.