

APPENDIX 1

EPMA (thin section), SEM-EDX (surface, semi-quantitative) and PGAA (bulk rock) results from the nephrite adze, and from samples from the Jordanów and Złoty Stok nephrite deposits in Poland

			SiO ₂	TiO ₂	Al ₂ O ₃	FeO	MnO	MgO	CaO	Na ₂ O	K ₂ O	H ₂ O	SO ₃	As ₂ O ₃	sum	Si	Mg	Fe	R*		
			[wt.%]												[cation numbers]						
Nephrite adze (Balatonőszöd)	EPMA (thin section)	matrix	58.78	0.00	0.10	3.69	0.03	22.52	13.04	0.24	0.00					98.40	8.019	4.577	0.420	0.916	
			57.76	0.17	0.31	3.00	0.12	22.05	12.51	0.37	0.01					96.30	8.025	4.564	0.348	0.929	
			58.76	0.15	0.09	3.27	0.15	22.56	12.49	0.27	0.09					97.83	8.041	4.599	0.373	0.925	
			58.12	0.08	0.05	3.21	0.04	22.21	12.59	0.53	0.00					96.83	8.041	4.577	0.371	0.925	
			57.51	0.00	0.00	3.05	0.11	22.58	13.05	0.43	0.00					96.73	7.983	4.669	0.353	0.930	
			58.25	0.10	0.11	3.19	0.00	22.90	12.92	0.46	0.00					97.93	7.979	4.673	0.365	0.928	
				idiomorph crystals	57.70	0.01	0.14	3.37	0.19	22.39	13.10	0.42	0.03				97.35	7.973	4.609	0.389	0.922
					57.63	0.10	0.10	4.35	0.04	22.22	12.76	0.40	0.00				97.60	7.965	4.575	0.502	0.901
					57.55	0.00	0.04	3.70	0.09	22.66	13.04	0.46	0.10				97.64	7.947	4.661	0.426	0.916
					57.97	0.00	0.07	3.98	0.10	22.34	13.34	0.41	0.19				98.40	7.957	4.568	0.456	0.909
				58.37	0.00	0.00	2.97	0.00	23.22	13.04	0.58	0.13				98.31	7.971	4.724	0.338	0.933	
		SEM-EDX (surface semi-quantitative)		60.28	n.d.	n.d.	3.11	n.d.	20.68	13.93	n.d.	n.d.				98.00	8.181	4.184	0.354	0.922	
				60.12	n.d.	n.d.	3.33	n.d.	20.35	14.21	n.d.	n.d.				98.01	8.191	4.133	0.380	0.916	
				59.43	n.d.	n.d.	3.52	n.d.	21.24	13.80	n.d.	n.d.				97.99	8.108	4.319	0.402	0.915	
				59.78	n.d.	n.d.	3.58	n.d.	20.74	13.90	n.d.	n.d.				98.00	8.148	4.213	0.409	0.912	
			60.07	n.d.	n.d.	3.67	n.d.	20.60	13.65	n.d.	n.d.				97.99	8.161	4.171	0.419	0.909		
	PGAA	bulk rock	56.00	0.03	0.00	4.50	0.16	22.90	12.00	0.32	0.00	3.90	n.d.	n.d.	99.81				0.901		
Jordanów			56.70	0.00	2.33	3.50	0.13	21.30	12.40	0.05	0.00	2.84	0.00	0.00	99.25				0.916		
Złoty Stok 1			51.10	0.04	0.00	7.37	0.09	19.20	11.70	0.43	0.08	1.95	0.42	6.65	99.03				0.823		
Złoty Stok 2			58.80	0.04	0.40	4.19	0.06	20.90	12.40	0.28	0.13	2.22	0.10	0.00	99.52				0.899		