

APPENDIX 1

Frequencies (vol%) of heavy minerals in representative samples from deposits of the formations investigated

Unit	Rača Unit				Krynica Unit		
Formation	Mrázovce Mb.		Makovica Ss.		Malcov Fm.*	Strihovce Fm.	
Sample	MRA-1	MRA-2	BZK-264	BZK-700	BZK-322a	KNC-1	BZK-Ud
Rt	13.4	22.1	20.7	16.3	18.3	14.6	12.9
Zrn	19.7	13.7	24.5	27.8	23.7	16.3	21.1
Tur	7.3	5.5	9.3	10.2	4.6	3.7	1.5
Ap	4.8	5.7	3.6	7.6	3.6	8.7	7.7
Px	–	–	–	–	0.3	0.7	tr.
Grt	52.6	50.7	38.9	34.6	46.2	49.1	49.9
Glt	1.8	0.5	0.4	–	0.2	0.2	–
Chl	–	–	–	–	0.3	–	–
Ep	–	–	0.6	1.6		2.8	3.3
Sta	0.2	st.	1.3	–	0.5	2.8	1.3
Ky	–	0.5	–	–	–	0.2	–
Amp	0.2	1.1	–	–	–	–	0.4
Mnz	–	0.2	–	tr.	–	–	0.4
Ttn	tr.	tr.	–	–	–	–	0.4
Spl	tr.	tr.	0.7	1.8	2.3	0.9	1.0

Rt – rutile, Zrn – zircon, Tur – tourmaline, Ap – apatite, Px – pyroxene, Grt – garnet, Glt – glauconite, Chl – chlorite, Ep – epidote, Sta – staurolite, Ky – kyanite, Amp – amphibole, Mnz – monazite, Ttn – titanite, Spl – spinel

* – data are taken from Bónová et al. (2016); tr. – traces