

MAJOR ELEMENTS

Ash Basis

KIGAM	Mine		%Ash	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	Fe ₂ O ₃	TiO ₂	P ₂ O ₅	SO ₃	TOTAL	SiO ₂ /
Sample	Name	Coal Field	750°C	%	%	%	%	% (525°C)	%	%	%	%	%	OXIDES %	Al ₂ O ₃
1	Jang Seong	Samcheog	10.8	39.00	32.07	2.30	2.12	0.34	0.92	16.27	1.55	0.23	0.93	95.74	1.22
2	Doe Gae	Samcheog	39.8	48.10	26.90	0.37	0.42	0.13	3.79	2.76	1.44	0.13	0.03	84.09	1.79
3	Kyung Dong	Samcheog	27.3	47.40	41.85	0.77	0.38	0.11	4.97	1.63	4.82	0.02	0.02	102.00	1.13
4	Han Bo	Samcheog	37.9	52.80	27.97	0.64	0.33	0.10	3.40	2.94	1.39	0.41	0.01	89.99	1.89
5	Tae Back	Samcheog	15.4	44.63	31.33	3.84	0.93	0.17	3.72	3.04	1.93	2.40	0.00	91.99	1.42
6	Sam Tan	Samcheog	17.6	46.25	36.34	0.25	0.27	0.11	4.58	0.96	3.77	0.04	0.05	92.62	1.27
7	Dong Won	Samcheog	10.2	57.34	32.22	0.46	1.16	0.33	3.31	4.20	0.83	0.05	0.02	99.91	1.78
8	Young Wol	Younwol	8.1	39.49	30.60	0.42	2.71	0.35	3.11	2.66	1.81	0.10	0.16	81.40	1.29
9	Ma Ro	Boeoun	18.6	37.32	25.09	2.18	0.67	0.94	5.90	2.41	1.52	0.44	0.45	76.91	1.49
10	Tae Meag	Munkyung	25.5	47.72	27.75	2.39	2.09	0.61	2.86	6.19	1.49	0.27	0.39	91.77	1.72
11	Hwa Sun	Honam	17.0	44.50	34.35	0.59	0.25	0.96	5.83	1.06	2.36	0.12	0.00	90.03	1.30

Table 3. Major elements expressed as oxides in percent of ash (all ashing at 750°C except as noted).