

# PROXIMATE/ULTIMATE ANALYSIS

## As-received basis

KIGAM Sample	Mine Name	Coal Field	Moist- ure %	Ash %	VM %	FC %	H %	C %	N %	S %	O %	BTU /lb	-- Forms of Sulfur --			-- Ash Fusion Temperature --				FSI
													Sulfate	Pyritic	Organic	Init	Soft	Hemi	Fluid	
1	Jang Seong	Samcheog	7.64	10.00	2.93	79.43	1.61	78.04	0.38	0.97	9.00	11598	0.03	0.84	0.10	2390	2520	2570	2720	0.0
2	Doe Gae	Samcheog	6.68	37.50	4.27	51.55	1.47	51.43	0.42	0.32	8.86	7510	0.01	0.27	0.04	2800+	2800+	2800+	2800+	0.0
3	Kyung Dong	Samcheog	3.49	26.64	3.64	66.23	1.11	64.39	0.45	0.19	7.22	9516	0.03	0.05	0.11	2800+	2800+	2800+	2800+	0.0
4	Han Bo	Samcheog	7.41	35.18	3.49	53.92	1.50	52.74	0.41	0.25	9.92	7673	0.03	0.19	0.03	2800+	2800+	2800+	2800+	0.0
5	Tae Back	Samcheog	3.46	14.92	3.17	78.45	1.26	77.56	0.27	0.14	5.85	11517	0.02	0.03	0.09	2800+	2800+	2800+	2800+	0.0
6	Sam Tan	Samcheog	7.14	16.48	2.82	73.56	1.49	72.48	0.50	0.19	8.86	10783	0.03	0.01	0.15	2800+	2800+	2800+	2800+	0.0
7	Dong Won	Samcheog	4.73	9.88	3.28	82.11	1.20	80.50	0.26	0.22	7.94	11897	0.03	0.03	0.16	2800+	2800+	2800+	2800+	0.0
8	Young Wol	Youngwol	5.50	7.72	4.50	82.28	2.43	81.78	0.72	0.36	6.99	12879	0.01	0.01	0.34	2800+	2800+	2800+	2800+	0.0
9	Ma Ro	Boeoun	2.81	17.10	2.34	77.75	0.51	77.89	0.07	0.03	4.40	10928	0.02	0.01	0.00	2370	2460	2640	2800+	0.0
10	Tae Meag	Munkyoung	4.71	24.45	2.82	68.02	0.76	64.54	0.05	0.39	9.81	8890	0.03	0.36	0.00	2310	2460	2580	2760	0.0
11	Hwa Sun	Honam	7.25	15.78	2.82	74.15	1.29	73.40	0.37	0.14	9.02	10637	0.02	0.01	0.11	2710	2800+	2800+	2800+	0.0

Table 1. Proximate and ultimate analysis of coal samples from operating coal mines in the Republic of Korea. Location of mines shown in figure 1. VM = volatile matter; FC = fixed carbon.