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# COAL QUALITY SPECIFICATION

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Nº ETT\_SP\_TC

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ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



**COAL STOCKPILES QUALITY (weighted average)**

<p><b>TOTAL MOISTURE (ar)</b></p> <p><b>5.0%</b></p> <p>(-1.0; +3.0)</p>	<p><b>ASH (db)</b></p> <p><b>25.0%</b></p> <p>(-5.0; +3.0)</p>	<p><b>VOLATILE MATTER (daf)</b></p> <p><b>34.0%</b></p> <p>(Max)</p>
<p><b>TOTAL SULPHUR (db)</b></p> <p><b>1.0%</b></p> <p>(-0.3; +0.5)</p>	<p><b>Calorific value CV (ar)</b></p> <p><b>5500</b></p> <p>(-500; +500)</p>	<p><b>G INDEX</b></p> <p><b>≤5.0</b></p>

THE FOLLOWING IS THE RESULT OF THE LABORATORY TESTS

LAB NO.	SAMPLE NO.	STANDARD METHOD												
		GB/T 211	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 213	GB/T 212	GB/T 212	GB/T 212	GB/T 212	ISO 19579	GB/T 213	
		AS RECEIVED BASIS						AIR DRIED BASIS						
		Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Gross Calorific Value (GCV)	
% kcal/kg						% kcal/kg								
14	ETT_SP_30009-2G	3.77	22.55	19.42	54.26	0.60	6013	1.39	23.11	19.90	55.60	0.61	6162	
15	ETT_SP_30009-2H	2.39	17.03	20.05	60.53	0.70	6770	1.15	17.24	20.31	61.30	0.71	6856	
16	WSS-23-6-1TR-3A-169	4.16	22.56	25.32	47.97	0.93	5814	0.94	23.31	26.17	49.58	0.96	6010	
17	WSS-23-6-1TR-3B-170	3.26	18.68	26.13	51.93	0.63	6449	0.68	19.17	26.83	53.32	0.64	6620	
18	WSS-23-6-1tr-3C-184	3.27	24.96	23.30	48.47	0.49	5758	0.80	25.60	23.89	49.70	0.50	5905	
19	WSS-23-6-1tr-3D-188	3.49	19.59	25.24	51.68	0.68	6295	0.91	20.11	25.92	53.06	0.70	6463	
20	ETT_SP_30009-3E	2.70	19.52	26.33	51.45	0.47	6085	0.98	19.86	26.79	52.36	0.48	6193	
21	ETT_SP_30009-3F	2.68	23.15	25.43	48.74	0.58	5724	0.97	23.56	25.87	49.59	0.59	5824	
22	ETT_SP_30009-3G	1.92	22.68	21.83	53.57	0.58	6331	0.91	22.91	22.06	54.12	0.59	6397	
23	ETT_SP_30009-3H	1.85	20.40	23.13	54.63	0.67	6399	1.10	20.55	23.31	55.04	0.68	6447	
24	WSS-23-6-1tr-4A-218	6.40	14.48	24.92	54.21	0.35	6280	2.04	15.15	26.08	56.73	0.37	6572	
25	WSS-23-6-1tr-4B-229	5.50	19.02	23.59	51.89	1.18	6280	0.88	19.95	24.74	54.43	1.24	6572	
26	WSS-23-6-1tr-4C-223	3.24	21.48	24.68	50.61	0.40	6016	0.82	22.01	25.30	51.87	0.41	6166	
27	WSS-23-6-1TR-4D-271	4.37	20.03	23.23	52.37	0.66	6132	1.09	20.72	24.02	54.17	0.68	6342	
28	ETT_SP_30009-4E	2.90	18.11	25.38	53.61	0.58	6434	0.80	18.50	25.93	54.77	0.59	6573	
29	ETT_SP_30009-4F	3.00	18.25	24.47	54.28	0.37	6412	0.82	18.66	25.02	55.50	0.38	6556	
30	ETT_SP_30009-4G	1.44	29.74	23.45	45.36	0.61	5501	0.79	29.94	23.61	45.66	0.62	5537	
31	WSS-23-6-1TR-5A-329	2.26	14.54	27.27	55.93	0.71	6988	0.73	14.77	27.69	56.81	0.72	7098	
32	WSS-23-6-1TR-5B-330	5.72	21.94	22.94	49.40	0.84	5676	1.56	22.91	23.95	51.58	0.87	5927	
33	WSS-23-6-1TR-5C-335	9.27	27.71	21.57	41.45	0.69	4631	2.86	29.67	23.09	44.38	0.74	4958	
34	ETT_SP_30009-5D	2.59	18.03	24.58	54.80	0.50	6504	0.89	18.34	25.01	55.75	0.50	6618	
35	ETT_SP_30009-5E	1.91	21.58	24.92	51.59	0.50	6157	0.97	21.78	25.16	52.09	0.50	6216	
36	ETT_SP_30009-5F	5.51	24.78	22.74	46.97	0.72	5558	0.92	25.99	23.85	49.25	0.75	5828	
37	ETT_SP_30009-5G	3.82	25.75	21.52	48.91	0.92	5764	0.81	26.56	22.19	50.44	0.95	5945	
38	ETT_SP_30009-5H	3.67	21.03	22.30	53.00	0.56	6180	0.89	21.64	22.94	54.53	0.58	6358	
39	ETT_SP_30009-6A	1.36	27.03	22.77	48.84	0.67	5787	0.66	27.22	22.93	49.18	0.68	5828	
40	ETT_SP_30009-6B	2.26	21.99	25.30	50.46	0.77	6025	0.81	22.32	25.67	51.20	0.78	6115	
41	ETT_SP_30009-6C	1.17	25.98	24.69	48.16	2.23	5743	0.87	26.06	24.77	48.31	2.24	5760	
42	ETT_SP_30009-6D	1.37	22.69	25.75	50.19	0.74	6060	0.86	22.81	25.88	50.45	0.75	6091	
43	ETT_SP_30009-6E	1.43	25.62	24.01	48.94	1.28	5862	0.62	25.83	24.21	49.35	1.29	5911	
44	ETT_SP_30009-6F	1.30	20.97	24.87	52.87	0.53	6289	0.92	21.05	24.97	53.07	0.53	6313	
45	ETT_SP_30009-6G	1.80	19.11	24.29	54.81	1.10	6538	0.65	19.33	24.57	55.45	1.11	6615	
46	ETT_SP_30009-6H	2.05	15.31	23.51	59.13	0.86	6936	0.61	15.54	23.86	60.00	0.87	7038	
47	ETT_SP_30010-1A	3.38	19.59	24.11	52.92	0.43	6288	0.90	20.10	24.73	54.27	0.44	6449	
48	ETT_SP_30010-1B	3.16	19.43	24.26	53.15	0.58	6361	0.76	19.91	24.86	54.46	0.60	6519	
49	ETT_SP_30010-1C	4.02	12.90	27.53	55.55	0.63	6945	0.85	13.32	28.44	57.39	0.65	7174	
50	ETT_SP_30010-2A	5.03	17.64	23.04	54.29	0.59	6371	1.12	18.36	23.99	56.52	0.61	6634	
51	ETT_SP_30010-2B	3.60	23.95	22.15	50.30	0.60	6078	0.81	24.64	22.79	51.75	0.62	6253	
52	ETT_SP_30010-2C	4.01	14.34	25.98	55.67	0.45	6791	1.31	14.74	26.71	57.24	0.46	6982	
53	ETT_SP_30010-3A	5.14	17.86	22.84	54.16	0.50	6304	1.18	18.60	23.79	56.43	0.52	6567	
54	ETT_SP_30010-3B	5.67	13.13	21.23	59.98	0.78	6799	1.18	13.75	22.23	62.83	0.81	7122	
55	ETT_SP_30010-3C	2.84	21.75	24.01	51.40	0.69	6304	0.60	22.25	24.57	52.59	0.71	6450	
56	ETT_SP_30010-4A	5.09	20.17	19.46	55.29	0.48	6069	1.41	20.95	20.21	57.43	0.50	6305	
57	ETT_SP_30010-4B	3.13	26.21	21.27	49.40	0.70	5755	1.01	26.78	21.73	50.48	0.72	5881	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release. COPY RIGHT PROTECTED DOCUMENT