



НҮҮРСНИЙ ОВООЛГЫН ҮЗҮҮЛЭЛТ

№ ETT_SP_SSC



ISO 45001:2018



ISO 9001:2015



ISO 14001:2015



НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

НИЙТ ЧИЙГ (ar)

2.27%

(-1.0; +1.0)

ҮНСЛЭГ (db)

21.15%

(-4.0; +4.0)

ДЭГДЭМХИЙ (daf)

33.06%

(-1.3; +1.3)

НИЙТ ХҮХЭР (db)

1.07%

(-0.2; +0.3)

БАРЬЦАЛДАХ
ЧАНАР

79.0

(-11; +7.0)

128

МЯН.ТОНН

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

003 000007 003
Pheng National Building, 3rd Floor
Chinggis Avenue, Ulaanbaatar District
Ulaanbaatar, Mongolia
Tel: +976 70101547



CERTIFICATE OF ANALYSIS
23072, 23122, 23205, 23234, 23271, 23282, 23283, 23174, 23254, 23245-IT

CLIENT: Erdene Tavan Tolgoi JSC
ADDRESS: Pheng Center, 3rd Floor, 3rd Floor, Chinggis Avenue, Ulaanbaatar District, Ulaanbaatar, Mongolia
ATTN: Markhoololj
PROJECT NO.: 000
LAB. JOB NO.: 23072, 23122, 23205, 23234, 23271, 23282, 23283, 23174, 23254, 23245-IT
NO. SAMPLES: 23
Notes/Comments: 000

SAMPLES RECEIVED: 30/Oct/9/Sep/2023
INSTRUCTIONS RECEIVED: 30/Oct/9/Sep/2023
DATE OF REPORT: 31/Oct/18/Sep/2023
STATUS OF REPORT: Final
ANALYSIS COMPLETE: 31/Oct/18/Sep/2023
PREPARATION CODE: CRUSH-1 (2) MILL-01
ANALYSIS CODE: 1_COING COAL, C86 TRF, A50, MOIS, VOL, TGA, CVR
APPROVED BY: Laboratory Manager
CHECKED BY: Chul Chimee

LAB NO.	SAMPLE NO.	AS RECEIVED BASIS										AIR DRIED BASIS										Cokefite Swelling Number (C86)	Coal Caking Index (C90)	
		Total Moisture (TM)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Moisture (MOIS)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Ash (ASH)	Volatile Matter (VOL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	Fixed Carbon (FC)	Total Sulphur (TSUL)	HT	ST					
1	ETT_SP_10015_1A	1.37	14.12	24.02	24.30	0.81	0.89	19.29	26.25	53.57	3.82	19.38	26.36	54.28	0.83	32.27	57.28	1.00	0.3	52				
2	ETT_SP_10015_1B	1.48	20.87	21.36	24.52	1.94	0.13	28.22	26.88	52.89	1.05	25.17	25.24	53.39	1.86	32.95	61.93	1.31	0.5	75				
3	ETT_SP_10015_1C	2.40	19.50	24.98	23.02	1.12	0.18	18.00	25.81	50.82	1.14	25.88	25.56	54.31	1.15	31.99	60.87	1.84	0.6	69				
4	ETT_SP_10015_1D	1.70	22.79	23.02	28.28	1.18	0.73	23.07	24.32	50.87	1.17	23.98	25.31	51.38	1.18	31.54	56.51	1.54	0.8	74				
5	ETT_SP_10015_1E	1.86	22.84	24.52	28.24	0.91	0.86	23.70	24.91	51.35	0.92	23.25	25.05	51.67	0.93	32.88	62.82	1.21	0.6	78				
6	ETT_SP_10015_1F	2.30	22.35	23.94	15.20	0.68	0.15	22.91	24.21	51.89	0.69	23.07	24.30	52.41	0.70	31.84	64.18	0.91	0.9	77				
7	ETT_SP_10015_1G	0.20	28.88	24.88	22.87	0.43	0.19	21.12	24.80	53.25	0.44	21.81	24.89	53.43	0.47	31.55	58.22	0.65	0.9	74				
8	ETT_SP_10015_1H	2.00	28.86	24.72	24.72	0.78	0.71	25.75	23.26	51.48	0.79	25.30	23.24	53.86	0.80	31.91	60.87	1.01	0.6	77				
9	ETT_SP_10015_1I	1.13	21.82	24.06	24.06	0.63	0.18	23.89	24.89	53.27	0.68	23.27	24.37	51.66	0.68	32.21	62.77	0.80	0.6	78				
10	ETT_SP_10015_1J	1.96	24.48	23.76	45.85	0.58	0.75	24.76	23.94	50.84	0.59	24.81	24.16	50.61	0.59	32.31	61.77	0.94	0.5	75				
11	ETT_SP_10015_1K	1.88	28.81	25.98	22.02	1.56	0.40	20.77	24.18	52.89	1.57	20.86	24.34	52.24	1.58	31.30	64.11	1.38	0.5	81				
12	ETT_SP_10015_1L	1.68	18.18	28.86	22.02	1.22	0.68	28.73	26.73	52.26	1.24	19.86	24.92	54.22	1.25	31.99	64.41	1.55	0.5	88				
13	ETT_SP_10015_1M	2.02	18.50	27.02	20.06	1.39	0.61	18.87	27.44	52.85	1.39	18.31	27.53	53.39	1.40	48.18	63.80	1.19	0.3	86				
14	ETT_SP_10015_1N	2.00	22.55	25.58	48.82	1.41	0.74	23.28	24.07	48.90	1.44	23.84	24.27	48.37	1.45	34.32	63.68	1.80	0.5	77				
15	ETT_SP_10015_1O	2.25	18.91	26.57	37.77	1.44	0.79	19.26	27.17	52.82	1.47	19.84	27.30	52.24	1.48	31.92	65.09	1.80	0.5	80				
16	ETT_SP_10015_1P	2.06	22.52	24.70	48.37	1.27	0.68	18.28	26.38	49.87	1.18	24.25	24.54	52.66	1.19	30.82	64.18	1.45	0.6	79				
17	ETT_SP_10015_1Q	2.62	19.10	35.32	52.15	0.81	0.62	19.94	26.31	53.23	0.87	19.08	26.28	53.44	0.87	32.02	61.77	1.29	0.5	81				
18	ETT_SP_10015_1R	1.15	17.25	26.46	53.94	0.93	0.47	17.68	27.34	54.20	0.95	17.81	27.52	54.64	0.96	33.45	64.57	1.54	0.5	86				
19	ETT_SP_10015_1S	2.12	19.81	26.25	38.91	0.87	0.65	20.96	24.68	54.76	1.22	18.02	26.05	55.13	1.23	32.19	67.25	2.11	0.5	85				
20	ETT_SP_10015_1T	2.32	18.11	24.42	35.26	0.71	0.62	25.52	27.73	55.11	0.89	19.61	27.58	57.88	1.29	32.35	67.65	1.89	0.5	85				
21	ETT_SP_10015_1U	2.24	28.15	24.42	37.18	1.20	0.44	20.34	28.90	52.12	1.22	20.62	27.03	52.35	1.23	31.04	63.95	1.54	0.5	82				
22	ETT_SP_10015_1V	2.29	21.20	25.83	39.35	1.22	0.48	21.73	24.32	52.51	1.24	21.80	24.42	53.74	1.25	31.87	64.79	1.50	0.5	81				
23	ETT_SP_10015_1W	1.47	13.89	25.04	48.82	1.22	0.49	14.40	19.78	49.42	1.26	24.52	25.08	49.82	1.26	34.28	63.77	1.57	0.5	77				
24	ETT_SP_10015_1X	1.12	19.89	35.82	55.73	1.01	0.40	21.43	26.84	53.53	1.02	21.82	26.65	52.76	1.03	31.98	64.62	1.41	0.5	89				
25	ETT_SP_10015_1Y	0.76	28.25	28.28	55.67	1.28	0.52	20.00	28.85	52.71	1.31	20.99	27.05	52.04	1.31	34.19	61.81	1.64	0.5	80				

QUALITY ASSURANCE/QUALITY CONTROL DATA

ITEM/NO.	ASH	VOL	TGA
Standard Value	25.00	25.00	0.800
Standard Deviation	0.019	0.014	0.0133
Unit	%	%	%
Analysis value	23.87	26.31	0.806

This is the Final Report and represents an preliminary report with this certificate number. Results apply to samples as identified. All pages of this report have been checked and approved for release. COPY REPORT PROHIBITED. 2000000007



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75055555
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Финанс төв, 1-р хороо,
Чингэлтэй дүүрэг,
Улаанбаатар хот

