ERDENES TAVANTOLGOI
ETT

НҮҮРСНИЙ ОВООЛГЫН

ҮЗҮҮЛЭЛТ

№ ETT_SP_CC



ISO 45001:2018

ISO 9001:2015

ISO 14001:2015

НҮҮРСНИЙ ОВООЛГЫН ЧАНАРЫН ДУНДАЖ ҮЗҮҮЛЭЛТ

НИЙТ ЧИЙГ (ar)	ҮНСЛЭГ (db)	ДЭГДЭМХИЙ БОДИС (daf)
3.0%	**15.0%**	**>20.0-28.0%**
(-2.0; +2.0)	(-3.0; +3.0)	

НИЙТ ХҮХЭР (db)	БАРЬЦАЛДАХ ЧАНАР	НҮҮРСНИЙ ХЭМЖЭЭ
0.9%	**>65.0**	**256.0**
(-0.3; +0.5)		МЯН.ТН

НҮҮРСНИЙ ОВООЛГЫН ШИНЖИЛГЭЭНИЙ ҮР ДҮН

TSOGTTSETSII COAL LABORATORY

Tsogttsetsii soum, Umnu-Govi province, Mongolia
Mobile: +976-76101085
Email: tsogttsetsii.lab@ceicmongolia.com, info@ceic.mn

ANALYSIS REPORT

CLIENT NAME AND ADDRESS : Erdenes Tavantolgoi JSC
LAB. BATCH NUMBER :

SAMPLING DATE : 8/23/2026
SAMPLE PREPARE DATE : 8/23/2026
REPORTED DATE : 8/24/2026

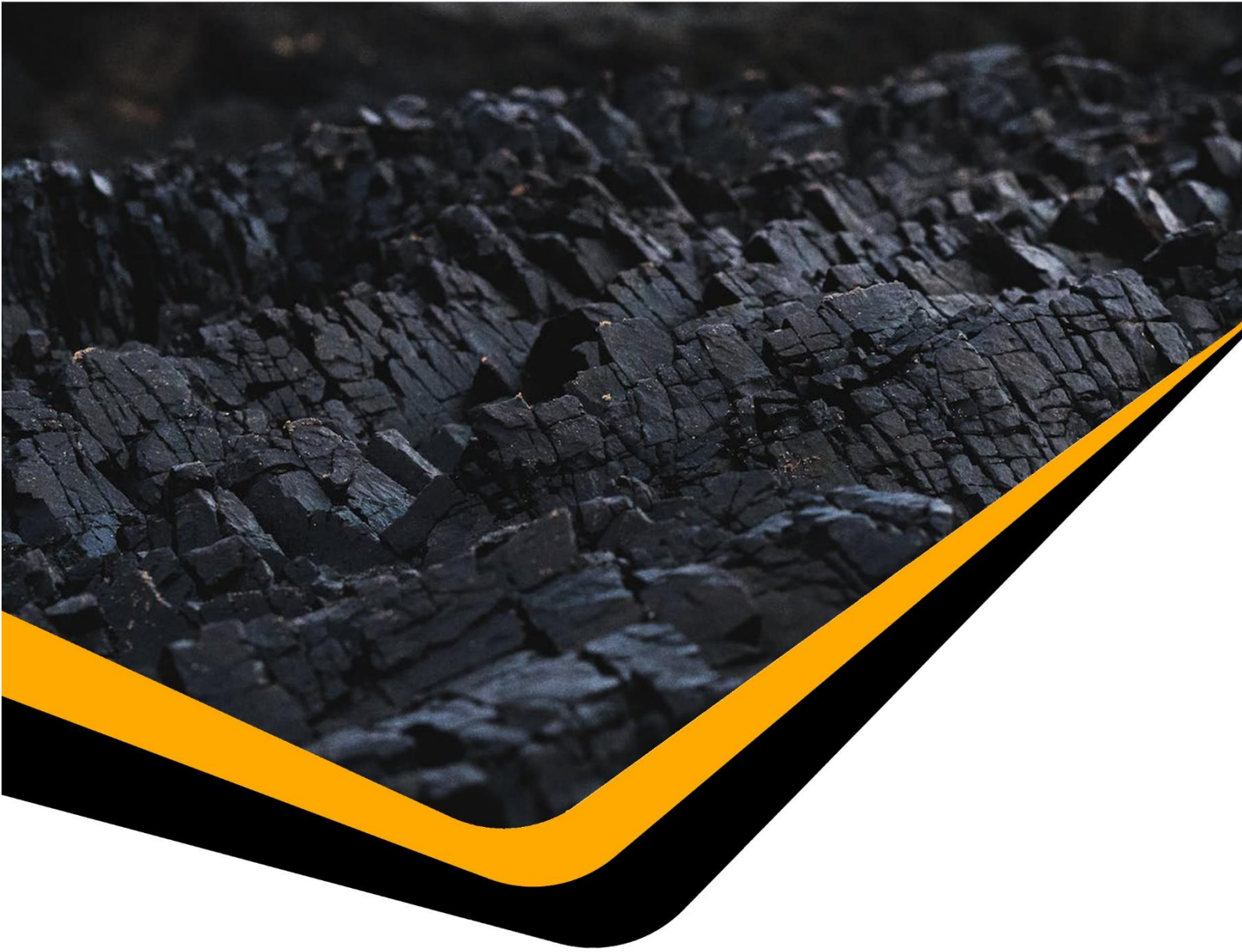
No	Sample identification			Total Moisture	Inherent Moisture	Ash			Volatile matter				Fixed carbon			Calorific value				Total sulphur			Caking index
	Batch	Sample ID	Sample Name	M_t	M	A			VM				FC			Qb,v	Qgr,v	Qgr,v	Qnet,v	S,			$G_{R.I}$
				ARB	ADB	ADB	ARB	DB	ADB	ARB	DB	DAF	ADB	ARB	DB	ADB	DB	ADB	ARB	ADB	ARB	DB	ADB
				(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	kcal/kg	kcal/kg	kcal/kg	kcal/kg	(%)	(%)	(%)	-
1	1.2	4-26-787-2472	26281902	1.8	0.75	12.21	12.09	12.31	23.32	23.08	23.49	26.79	63.72	63.06	64.20	7534	7591	7495	-	1.19	1.18	1.20	77
2	1.2	4-26-787-2473	26282002	1.5	0.73	12.53	12.44	12.63	23.41	23.23	23.58	26.99	63.33	62.85	63.79	7507	7562	7474	-	0.94	0.93	0.94	76
3	1.2	4-26-787-2474	26282102	2.2	0.79	14.55	14.34	14.66	22.55	22.23	22.73	26.64	62.11	61.23	62.60	7304	7362	7267	-	1.10	1.08	1.11	64
4	1.2	4-26-798-2515	26283103	3.6	0.73	14.38	13.96	14.49	23.16	22.48	23.33	27.28	61.73	59.92	62.18	7309	7363	7275	-	0.98	0.95	0.99	77
5	1.2	4-26-798-2516	26283203	3.9	0.79	15.28	14.80	15.40	22.50	21.79	22.68	26.81	61.43	59.51	61.92	7182	7239	7151	-	0.85	0.83	0.86	63
6	1.2	4-26-798-2521	26283303	3.5	0.72	14.56	14.15	14.67	23.30	22.65	23.47	27.50	61.42	59.70	61.87	7255	7308	7224	-	0.90	0.88	0.91	72
7	1.2	4-26-855-2728	26286608	1.5	0.71	14.26	14.15	14.36	23.68	23.49	23.85	27.85	61.35	60.84	61.79	7275	7327	7245	-	0.82	0.81	0.82	79
8	1.2	4-26-855-2729	26286708	2.1	0.67	14.26	14.06	14.36	23.52	23.19	23.67	27.64	61.55	60.69	61.97	7245	7294	7221	-	0.58	0.57	0.59	79
9	1.2	4-26-855-2730	26286808	2.6	0.74	14.68	14.41	14.79	22.86	22.44	23.03	27.02	61.72	60.59	62.18	7171	7224	7147	-	0.56	0.55	0.57	78
10	1.2	4-26-966-3121	26298315	3.0	0.57	14.13	13.79	14.21	22.83	22.26	22.96	26.76	62.47	60.94	62.83	7331	7349	7307	-	0.53	0.52	0.54	80
11	1.2	4-26-966-3122	26298415	2.9	0.58	13.68	13.36	13.76	22.92	22.38	23.06	26.73	62.82	61.33	63.18	7354	7372	7330	-	0.54	0.53	0.54	84
12	1.2	4-26-966-3123	26298515	3.0	0.53	13.99	13.65	14.07	22.82	22.26	22.94	26.70	62.66	61.11	62.99	7365	7380	7341	-	0.53	0.51	0.53	80
13	1.2	4-26-1064-3458	26305720	3.5	0.60	14.37	13.94	14.45	22.97	22.29	23.11	27.01	62.06	60.23	62.44	7290	7308	7264	-	0.61	0.59	0.61	79
14	1.2	4-26-1064-3459	26305820	4.1	0.68	14.15	13.66	14.25	22.70	21.92	22.85	26.65	62.47	60.32	62.90	7329	7355	7305	-	0.55	0.53	0.55	79
15	1.2	4-26-1064-3460	26305920	4.1	0.63	15.99	15.44	16.10	22.71	21.92	22.85	27.24	60.67	58.57	61.05	7123	7144	7099	-	0.55	0.53	0.55	80

The test results are valid for that sample only. Our laboratory is not responsible for sampling issues.

CERTIFIED REFERENCE MATERIAL	SYM002a			GBW12023c	Benzoic acid
QA/QC DATA	Ash, % Ad	VM, % Vd	St, % Std	G index	CV, J/g
CERTIFIED VALUE	12.81	29.43	0.59	91	26470
STANDARD DEVIATION	0.1	0.25	0.04	3	50
ANALYSED VALUE	12.87	29.65	0.58	90	26479
ANALYSED DEVIATION	0.06	0.22	0.01	1	9

METHODS	ID	STANDARDS	BASIS
Sample prepare/ Дээж бэлтгэх	SP	MNS GB/T 474-2015	ar- as received base
Total moisture/ Нийт чийг	Mt	MNS ISO 589-2003	d - dry base
Analytical Moisture/ Дотоож чийг	Mad	MNS GB/T 212-2015	ad - air dried base
Ash content/ Үнслэг	A	MNS GB/T 212-2015	daf- dry ash free base
Volatile matter/ Дэгдэмхий бодисын агуулга	V	MNS GB/T 212-2015	
Fixed carbon/ Үлдэгдэл нүүрстөрөгч	FC	MNS GB/T 212-2015	
Calorific value, bomb/ Бөмбөрөөс дээш илчлэгийн утга	Qb	MNS GB/T 213-2024	
Calorific value, net/ Илчлэгийн цэвэр дээд утга	Qnet	MNS GB/T 213-2024	
Total Sulfur/ Нийт хүхэр	St	MNS GB/T214-2014	
Free Swelling Index/ Чөлөөт хавсралтын гарц	CSN	MNS ISO 501-2003	
Caking Index/ Барьцалдах чадвар	G index	MNS ISO 15585-2014	
X, Y index/ Пластометрийн үзүүлэлт	Y index	MNS GB/T 479-2013	
Fluorine/ Фтор	F	GB/T 4633-2024	
Phosphorus/Фосфор	P	MNS 7057-2024	
Mercury/ Мөнгөн ус	Hg	MNS 7058-2024	
Chlorine/ Хлор	Cl	MNS 7057-2024	
Arsenic/ Хүнцэл	As	MNS 7057-2024	

/ Ch. Lkhagwasuren /



ISO 45001:2018

ISO 9001:2015

ISO 14001:2015

ЭРДЭНЭС ТАВАНТОЛГОЙ
ETT

www.ett.mn

75055555
1800-1072

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