

CERTIFICATE OF ANALYSIS



1765

UK TIMBER LIMITED
 THE GAS DEPOT
 WELDON ROAD
 CORBY
 NN17 5UE
 UNITED KINGDOM

Test Date(s): 21-Jul-2022 to 01-Aug-2022
Date of Report: 04-Aug-2022

Date Received: 21-Jul-2022

AHK Ref: DB/389502

Material Described As: BRIQUETTES

Client Ref: RUF BRIQUETTES REC 21/07/2022

Samples were received by Alfred H Knight Energy Services Ltd and analysis results relate only to the items tested.

Client Ref.	Test	Method	Unit	As Received	Dry Basis	Dry Ash-Free
<u>Ruf Briquettes</u>						
	Total Moisture *	SM031	%	6.3		
	Ash Content *	SM033	%	0.4	0.4	
	Volatile Matter *	SM032	%	77.0	82.2	82.5
	Fixed Carbon *	SM022	%	16.3	17.4	17.5
	Total Sulphur *	SM034	%	0.32	0.34	0.34
	Chlorine *	SM045	%	0.01	0.01	0.01
	Carbon *	SM035	%	47.1	50.3	50.5
	Hydrogen *	SM035	%	5.56	5.93	5.95
	Nitrogen *	SM035	%	0.15	0.16	0.16
	Oxygen By Difference		%	40.2	42.9	43.1
	Gross Calorific Value *	SM036	MJ/Kg	17.974	19.182	19.259
	Net Calorific Value *	SM037	MJ/Kg	16.609		

* - Accredited Test

Scott Foster

Biomass Operations Manager

For and on behalf of Alfred H Knight Energy Services Ltd

CERTIFICATE OF ANALYSIS



1765

UK TIMBER LIMITED
 THE GAS DEPOT
 WELDON ROAD
 CORBY
 NN17 5UE
 UNITED KINGDOM

Test Date(s): 21-Jul-2022 to 01-Aug-2022
Date of Report: 04-Aug-2022

Date Received: 21-Jul-2022

AHK Ref: DB/389502

Material Described As: BRIQUETTES

Client Ref: RUF BRIQUETTES REC 21/07/2022

Samples were received by Alfred H Knight Energy Services Ltd and analysis results relate only to the items tested.

Client Ref.	Test	Method	Unit	As Received	Dry Basis	Dry Ash-Free
<u>Ruf Briquettes</u>						
TRACE METAL ANALYSIS						
	Cadmium *	SM044	mg/Kg		< 0.01	
	Zinc *	SM044	mg/Kg		5.36	
	Vanadium *	SM044	mg/Kg		0.49	
	Lead *	SM044	mg/Kg		0.89	
	Copper *	SM044	mg/Kg		2.40	
	Chromium *	SM044	mg/Kg		1.79	
	Nickel *	SM044	mg/Kg		1.41	
	Antimony *	SM044	mg/Kg		2.21	
	Cobalt *	SM044	mg/Kg		< 0.10	
	Manganese *	SM044	mg/Kg		15.86	
	Thallium *	SM044	mg/Kg		< 0.10	
	Arsenic *	SM044	mg/Kg		0.16	
	Mercury *	SM044	mg/Kg		< 0.01	
	Tin *	SM044	mg/Kg		< 0.10	

* - Accredited Test

Scott Foster

Biomass Operations Manager

For and on behalf of Alfred H Knight Energy Services Ltd

CERTIFICATE OF ANALYSIS



1765

UK TIMBER LIMITED
 THE GAS DEPOT
 WELDON ROAD
 CORBY
 NN17 5UE
 UNITED KINGDOM

Test Date(s): 21-Jul-2022 to 01-Aug-2022
Date of Report: 04-Aug-2022

Date Received: 21-Jul-2022

AHK Ref: DB/389502

Material Described As: BRIQUETTES

Client Ref: RUF BRIQUETTES REC 21/07/2022

Samples were received by Alfred H Knight Energy Services Ltd and analysis results relate only to the items tested.

Client Ref.	Test	Method	Unit	Result
<u>Ruf Briquettes</u>				
	Average Particle Thickness		cm	6.3
	Particle Length		cm	15.2
	Particle Surface Area		cm ²	614.3
	Particle Width		cm	9.1
	Particle Density		g/cm ³	0.75

* - Accredited Test

Scott Foster

Biomass Operations Manager

For and on behalf of Alfred H Knight Energy Services Ltd