

## PRELIMINARY RESULTS - SUBMITTED SAMPLE ANALYTICAL REPORT

<b>SGS Reference:</b>	292570/M-NO-2021/1296	<b>Date(s) Tested:</b>	18 May 2021
<b>Client Reference:</b>	SUPPLIED SAMPLE	<b>Principal:</b>	OOO "UGOLINVEST"
<b>Client Reference 2.:</b>	Rostov-On-Don	<b>Address:</b>	
<b>Sample Type:</b>	COAL BRIQUETTE	<b>City, State, Postal:</b>	
<b>Sample Received From:</b>	representative of OOO "UGOLINVEST"	<b>Country:</b>	
<b>Sample Description:</b>		<b>Attention:</b>	
<b>Date Sample received:</b>	17 May 2021		
<b>Bill of Lading Date:</b>			



Analysis performed in accordance with ISO Standards or other International Standards and SGS Procedures.

		As-Received Basis (ar)	As-Determined Basis (ad)	Dry Basis (db)	Dry Ash-Free Basis (daf)
<b>Proximate Analysis</b>	<b>Moisture</b>	4.82	3.24	----	----
Moisture (Total) #	<b>Ash #</b>	10.25	10.42	10.77	----
Moisture (as-determined) #	<b>ISO Volatile Matter #</b>	7.18	7.30	7.54	8.45
	<b>Fixed Carbon (calculation by difference)</b>	77.75	79.04	81.69	91.55
	<b>Total Sulfur #</b>	1.01	1.03	1.06	1.19

<b>Gross Calorific Value #</b>	<b>kcal/kg</b>	6787	6900	7131	7992
<b>ISO 1928</b>	<b>Net CV, constant volume</b>	6679	6799	7045	-----

*NCV(v) requires H analysis*

		As-Received Basis (ar)	As-Determined Basis (ad)	Dry Basis (db)	Dry Ash-Free Basis (daf)
<b>Ultimate Analysis</b>	<b>Total Carbon #</b>	80.48	81.82	84.56	94.76
Moisture (Total) #	<b>Total Hydrogen (includes H in moisture) #</b>	2.20	2.05	1.75	1.96
Moisture (as-determined) #	<b>Total Nitrogen not determined</b>	-	-	-	-
	<b>Total Sulfur #</b>	1.01	1.03	1.06	1.19
	<b>Ash #</b>	10.25	10.42	10.77	----
	<b>Total Nitrogen &amp; Oxygen by diff. (includes O in moisture)</b>	6.06	4.68	1.86	2.09
	<b>Total</b>	100.00	100.00	100.00	100.00
	<b>Moisture</b>	(4.82)	(3.24)	-----	-----
	<i>Hydrogen (excludes H in moisture)</i>	1.66	1.69	<i>DB &amp; DAF H &amp; O values exclude H &amp; O in moisture</i>	

<b>M 10</b>	%	11.32
<b>M 25</b>	%	16.46

Signed and dated  
Rostov-On-Don

For and on behalf of  
SGS Novorossiysk

SGS Novorossiysk

Minerals Services 344033, Russia, Rostov-On-Don, Vsesoyuznaya str.19  
"Tel +7 8617 60 69 25"

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