

		rtifications Uk	raine LLC						-
Attn: Ms	. Karina Ka	aftanova							
Sholude	nka St. 3, I	Business Cente	er "Cubic", of	ff.308					
04116 K			, -						
Ukraine	y.v								
	: 1688546 ve			O a secolita a l	*	0.0000			
Sample Arrival Date : 15-Dec-2022 16:37 ReportDate Version : 23-Dec-2022 15:44 Packing : Plastic, ambient		Sampling Date 29-Nov-2022 Samplesize (kg) : 15 Seal / Seal Code : No							
									ů.
Sample information *	Xer	Lat 1	*						
Disponent Number : UA 022-1_2022_11_29		Product specification : Wood pellets							
A.M.	1. 1	X V.K.	Reference : 29.11.22/A1/22						
	JANK K			AWB / Bai	Code :1	3269110015232			
Disp. Remark	: Brenvel LLC	the second	27						
			* Inf	formation supplie	a by customer (1	LR takes no respo	onsibility fo	r this informa	ition
Composition Determi	ination	A sing	¥.			ANT			
Parameter		Result	Result	Result	Result		VAN.		
WX MAL	X/X	(as received)	(on dry)	(as det)	(dry ash free		AX	4	
Total Moisture	S. SAT	6,72			12 - Al	%	Q	R	
Moisture Airdry	K.Y.	The second second		6,53		%	Q	R	
Ash	112	0,34	0,36	0,34		%	Q	R	
Volatile matter incl. moisture.				86,56		%	Q	R	
Volatile matter	· ·	79,86	85,62	80,03	85,93	%	The A.		
Fixed Carbon	1	13,08	14,02	1000.0	1000 0	%	A Set		
Gross Calorific Valu	ie	4629,4	4962,9	4638,9	4980,9	kcal/kg	Q	R	
21	1.1.1	19,38	20,78	19,42	20,85	GJ/mt			
Nett Calorific Value	(c)()	8332,9 4309,2	8933,2	8350,0	8965,6	B.T.U.'s/Lb kcal/kg	Q	<u> </u>	
HA.		18,04			× 1/	GJ/mt	A A		
		7756,6			NI //	B.T.U.'s/Lb			
		5,0	\$ INX	12XIII	No 1	kWh/kg			
Nett Calorific Value (cP)		17,96	12.2.		KAN	GJ/mt	Q		
Emissionfactor CO2 (cV) Emissionfactor CO2 (cP)		91,52	ATV.	N.X. ANK	XI 1/	t CO2/TJ t CO2/TJ			
Hydrogen		91,92 5,75	6,16	6,49	6,19		Q	R	
Carbon		45,03	48,27	45,12	48,45		Q	R	
Nitrogen.	1.	43,03	0,08	43,12	0,08		Q	R	
S. (Sulfer)		< 0,01	< 0,00	< 0,01	< 0,00		Q	R	
Oxygen (by difference)		\$ 0,010	\$ 0,010	\$ 0,010	45,280		ů.	IX I	
Preparation		1-1-		1000	+3,200	,,,			
Common	11	· + ./		K/ DA	VIISA				
	V .	Result	Result	Desult	ALC: N	1			
Parameter		(as received)	(on dry)	Result (as det)	A A				
Preparation sample		. ,		NEN EN 14780	and NEN EN		Q	R	
Composition Determi	ination	10440		1.1.5		¥.			
Soundoardon Derennin									

Composition Determination

Demanded 15-Dec-2022 by Control Union Certifications Ukraine LLC Analyses according to annex Drs. ing. H. Janssens Director TLR International Laboratories





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Result (as received) 6,3 9,9 0,2 Result (as received) 0,160 0,11 < 0,040 < 0,020 < 3,0 < 0,005	Result (on dry) Result (on dry) 0,171 0,12	Seal / Seal Code Result (as det) 1450 Result (as det) 0,160	: No gr. C mm mm %	Q Q	R R R R
(as received) 6,3 9,9 0,2 Result (as received) 0,160 0,11 < 0,040 < 0,020 < 3,0	(on dry) Result (on dry) 0,171 0,12	(as det) 1450 Result (as det)	mm		R R
(as received) 6,3 9,9 0,2 Result (as received) 0,160 0,11 < 0,040 < 0,020 < 3,0	(on dry) Result (on dry) 0,171 0,12	(as det) 1450 Result (as det)	mm		R R
9,9 0,2 Result (as received) 0,160 0,11 < 0,040 < 0,020 < 3,0	(on dry) 0,171 0,12	Result (as det)	mm		R R
9,9 0,2 Result (as received) 0,160 0,11 < 0,040 < 0,020 < 3,0	(on dry) 0,171 0,12	(as det)	mm		R
0,2 Result (as received) 0,160 0,11 < 0,040 < 0,020 < 3,0	(on dry) 0,171 0,12	(as det)		Q	
Result (as received) 0,160 0,11 < 0,040 < 0,020 < 3,0	(on dry) 0,171 0,12	(as det)	%		R
(as received) 0,160 0,11 < 0,040 < 0,020 < 3,0	(on dry) 0,171 0,12	(as det)		A	
(as received) 0,160 0,11 < 0,040 < 0,020 < 3,0	(on dry) 0,171 0,12	(as det)		XXXX	
0,11 < 0,040 < 0,020 < 3,0	0,12	0 160		AX	¥.
< 0,040 < 0,020 < 3,0	,	0,100	mg/kg	Q	R
< 0,020 < 3,0	-	0,11	mg/kg	Q	R
< 0,020 < 3,0	< 0,040	< 0,040	mg/kg	Q	R
< 3,0	< 0,020	< 0,020	mg/kg	Q	R
< 0.005	< 3,0	< 3,0	mg/kg	Q	R
	< 0,005	< 0,005	%	Q	R
< 5,0	< 5,0	< 5,0	mg/kg		R
< 5,0	< 5,0	< 5,0	mg/kg		R
14,6	15,6	14,6	mg/kg	N/A	R
	• 100	\times	1/1.1		
1 . A.					
Result (as received)	Result (on dry)	Result (as det)	1/2		
99,1	X To	XXXIIA	%	Q	R
649	1		kg/m3	Q	R
C) is, location Ridderkerk					
	c)			C) s, location Ridderkerk	

Demanded 15-Dec-2022 by Control Union Certifications Ukraine LLC Analyses according to annex Drs. ing. H. Janssens Director TLR International Laboratories

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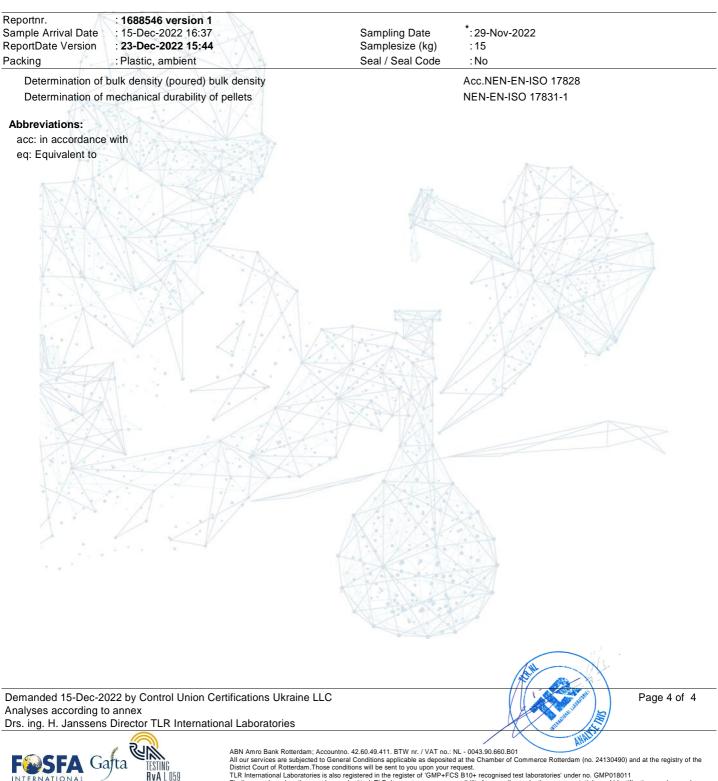
Reportnr. Sample Arrival Date	: 1688546 version 1 : 15-Dec-2022 16:37	Sampling Date	*: 29-Nov-2022
ReportDate Version	: 23-Dec-2022 15:44	Samplesize (kg)	:15
Packing	: Plastic, ambient	Seal / Seal Code	: No
	DAC DAC		
ANNEX	A SXI/A		
Method Description	IS		
Composition Deter	mination		
Common			Met. A
Method Descript	ion	200	Method Code
	ash; gravimetric method 171 Biomass: NEN-EN15403; Seconda		
	carbon (C), nitrogen (N), hydrogen (H) 9541, Biomass: NEN-EN-ISO 16948 :		
Determination of	fusibility of ash; acc EN-plus, ash form	Own method	
Determination of	gross caloric value by bombcaloric me	hod and calculation of net caloric	
value Coal: NEN-ISO 1 EN15400	928, Solid Biofuels NEN-EN-ISO18125	; secundairy biofuels NEN-	
	moisture in the analyse sample; gravin 1722;Biomass: NEN-EN-ISO 18134-3;		
Determination of	Sulphur (S); NEN-EN-ISO 16994	/XAZKAN /	
Determination of round hole ISO 18	the amount of material passing through 8846:2016	a sieve with 3,15 mm diameter	
Determination of	the length and diameter of the woodpe	llets; Own method	Acc. NEN-EN-ISO17829
	total moisture in the sample; gravimetr 39 MB biomasss: NEN-EN-ISO 18134-		
	volatile matter content; gravimetric me 62; Biomass: NEN-EN-ISO 18123; sec		
Metal and other el	lements		
Method Descript		K/ DN/NT	Method Code
Biomass: accordi	chloride (CI); Ion chromatography ng NEN-EN-ISO 16994 Coal: Own me	thod	
	mercury (Hg); CV-AAS	TASEN NO	Acc. NEN-EN-ISO16968
	minor elements. As, Cd, Co, Cr, Cu, H	g, Mn, Mo, Ni, Pb, Sb, V and Zn	eq.nen-en-iso16968
Other Analysis			
Common		K totologi	
Method Descript	ion	a starte	Method Code
			TLA.M
Analyses according to	022 by Control Union Certifications Ukr o annex		Page 3 of 4

Drs. ing. H. Janssens Director TLR International Laboratories



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