Nü Personal Care Ltd. High Wycombe, England HP11 1QG, United Kingdom

 Test Date(s):
 26-Sep-2020 to 09-Oct-2020

 Date of Report:
 09-Oct-2020

Date Received: 26-Sep-2020

## AHK Ref: DB/372447 Client Ref: BAMNÜ ECO STRAW SAMPLE

Material Described As: BIODEGRADABLE STRAWS

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

Client Ref.	Test	Unit	As Received	Dry Basis	Dry Ash-Free
BamNü Eco	o Straw Sample				
	Total Moisture	%	0.7		
	Ash Content	%	5.5	5.5	
	Volatile Matter	%	93.8	94.5	100.0
	Total Sulphur	%	< 0.01	< 0.01	< 0.01
	Chlorine	%	< 0.01	< 0.01	< 0.01
	Carbon	%	52.7	53.1	56.2
	Hydrogen	%	5.37	5.41	5.72
	Nitrogen	%	0.29	0.29	0.31
	Oxygen By Difference	%	35.5	35.7	37.8
	Gross Calorific Value	kWh/Kg	5.372	5.410	5.725
	Gross Calorific Value	MJ/Kg	19.341	19.477	20.611
	Net Calorific Value	kWh/Kg	5.043		
	Net Calorific Value	MJ/Kg	18.156		
	Bulk Density	kg/m <sup>3</sup>	79		
	Energy Density	kWh/m³	398		



For and on behalf of KNIGHT ENERGY SERVICES LIMITED

KNIGHT ENERGY SERVICES LIMITED

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