



CHARACTERISTIC OF NAPIER GRASS

48⁺ Years
Of experience



In Association with SVCH-Technologii, Moscow (Russia)
ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

ABOUT US

KERONE is now renowned for serving the specialized needs of customers with the best quality and economical process of application engineering solutions and industrial heating products manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)



KERONE is a pioneer in application and implementation engineering with its vast experience and team of professionals.



KERONE is devoted to serve the industry to optimize its operations both economically and environmentally with its specialized process engineering solutions.



KERONE is having immense expertise in manufacturing and implementing various types of engineering solutions.



KERONE is possessing employee strength of more than 280+ experts continuously putting efforts for happy industrial engineering solutions



48+ Years Manufacturing Excellence



Great Sale Support



Highly Customized Product



Adherence to Standards



Sound Infrastructure



Team of experts Delivering Quality



Timely Delivery



Cost Effective Solutions

WHY CHOOSE US

"Choose Kerone for innovative solutions tailored to your unique product needs, ensuring efficiency, reliability, and unmatched quality."

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made Applications Engineering solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique Applications Engineering needs. Choose Kerone Engineering for reliability, performance, and unmatched value.

MISSION



To enhance the value of customer operation through our customer need centric engineering solution.



We are committed to providing our customers with unique and best-in-class products in the industrial thermal processing segments. Through strategic tie-ups for technical know-how with renowned leaders in industry-specific segments, we ensure that our offerings meet the highest standards of quality and innovation.

VISION



Turn into a world leader in providing specialized, top-notch quality and ecological industrial heating, cooling, and drying solutions across the globe.



To attain global recognition as the best of quality and environment-friendly engineering solution company.



Enhance the value of customer operation through our customer need centric engineering solution.



TRUSTED PARTNERS





Table 1: Characteristics of Napier Grass through analytical result

SN	Material of test	Specific test Performed	Unit	Test Method/ Instrument Specification	Result
1	Napier Grass	Bulk density	g/cc	ASTM D 5057-90:1998	0.138
2		Calorific value	cal/gm	IS 1350: 1970 (reaffirmed 2000)	3520
3		Proximate analysis			
3.1		Moisture Content	%	Moisture Analyzer (HS153)	8.89
3.2		Volatile matter	%	ASTM D3175-20	81.05
3.3		Fixed Carbon	%	ASTM D785-15	7.01
3.4		Ash	%	ASTM-D3174-12	3.02
4		Elemental analysis			
4.1		C	%	CHNS analyzer (vario MICRO)	36.24
4.2		H	%	CHNS analyzer (vario MICRO)	8.12
4.3		N	%	CHNS analyzer (vario MICRO)	2.01
4.4		S	%	CHNS analyzer (vario MICRO)	1.02



Table 2: Characteristics of Napier Grass Char through analytical result

SN	Material of test	Specific test Performed	Unit	Test Method/ Instrument Specification	Result
1	Napier Grass Char	Bulk density	g/cc	ASTM D 5057-90:1998	0.143
2		Calorific value	Kcal/gm	IS 1350: 1970 (reaffirmed 2000)	6782
3	Proximate analysis				
3.1		Moisture Content	%	Moisture Analyzer (HS153)	0.98
3.2		Volatile matter	%	ASTM D3175-20	8.78
3.3		Fixed Carbon	%	ASTM D785-15	85.02
3.4		Ash	%	ASTM-D3174-12	4.82
4	Elemental analysis				
4.1		C	%	CHNS analyzer (vario MICRO)	28.93
4.2		H	%	CHNS analyzer (vario MICRO)	1.86
4.3		N	%	CHNS analyzer (vario MICRO)	0.78
4.4		S	%	CHNS analyzer (vario MICRO)	0.64

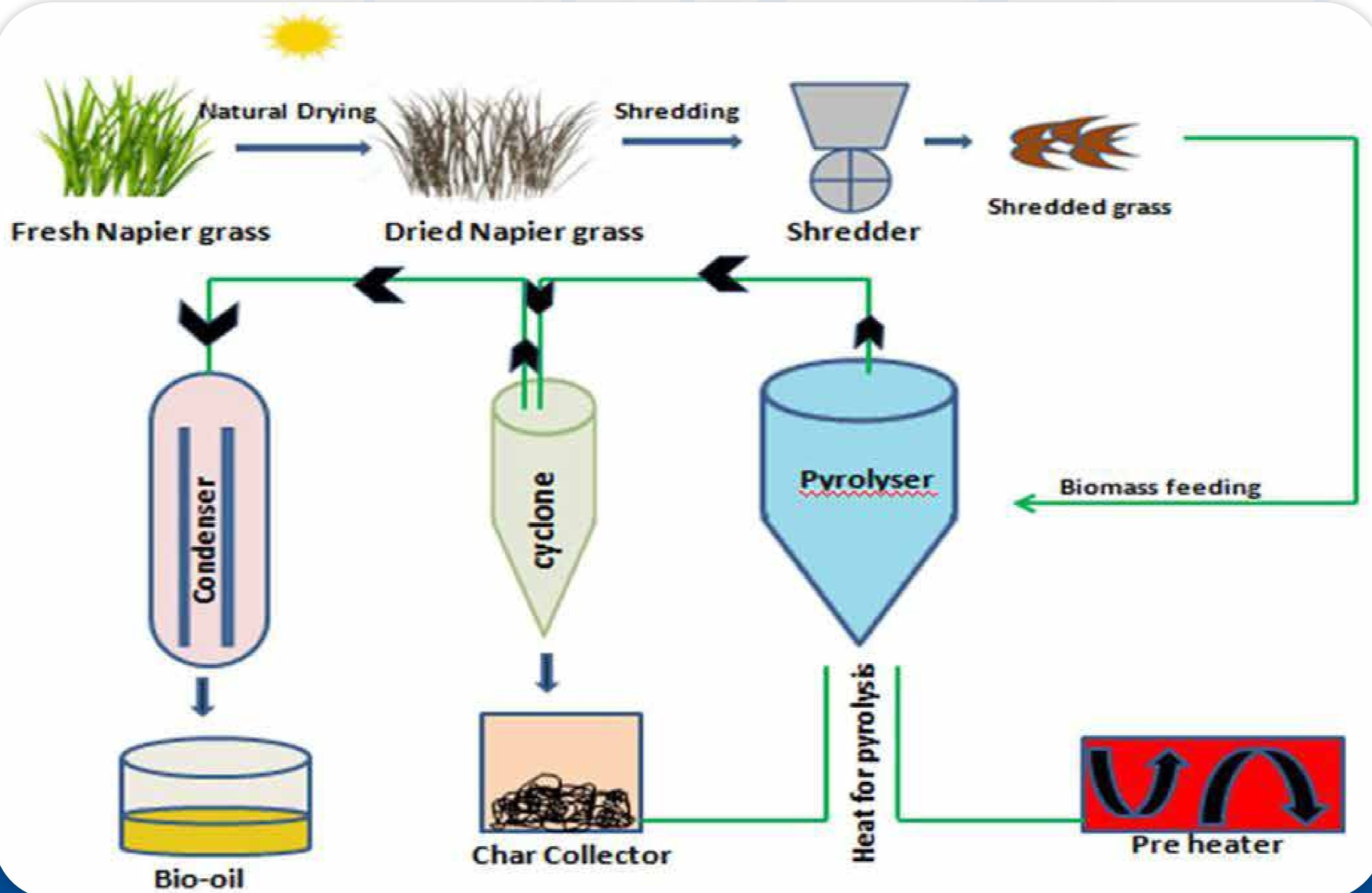


Table 3: Characteristics of Napier Grass Pyrolysis oil through analytical

SN	Material of test	Specific test Performed	Unit	Test Method/ Instrument Specification	Result
1	Napier Grass Pyrolysis Oil	Specific gravity	g/cc	ASTM D 5057-90:1998	1.184
2		Calorific value	cal/gm	IS 1350: 1970 (reaffirmed 2000)	3617
3		Viscosity	cSt	ASTM D445	2.04
4		pH @ 25 C	-	pH meter (FP 20)	3.9
5		Moisture Content	%	Karl Fischer (S-977)	28
6	Elemental analysis				
6.1		C	%	CHNS analyzer (vario MICRO)	43.56
6.2		H	%	CHNS analyzer (vario MICRO)	5.12
6.3		N	%	CHNS analyzer (vario MICRO)	1.61
6.4		S	%	CHNS analyzer (vario MICRO)	0.89

OUR CLIENTS









THANK YOU

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