



# VISION LABS

Environmental Consultants & Analytical Services

Recognised by ISO/IEC 17025:2017 (NABL), MoEF & CC,  
NABET-QCI, FSSAI, ISO 9001 : 2015 & OHSAS 45001 : 2018

## TEST REPORT

Issued to: <b>M/s. Rithwik Power Projects Limited.</b> Tekulapalli(Village), Penuballi(Mandal), Khammam-507209, Telangana,		Issued Date	01.02.2021
		Our Ref No	TC-506421000001416P
		Work Order	As per discussion
		Your Ref Date	18.01.2021
Sample description given by Customer	<b>Rice Husk</b>		
Appearance of the Sample	Yellow in Color	Sample condition at the time of registration	Found O.K
Mode of Packing	Self Lock Cover		
		Sample Quantity	0.5 kgs (Approx.)
Sample Registration date	21.01.2021	Analysis Start date	22.01.2021
Sample Registration Time	12.00 pm	Analysis Completion date	01.02.2021
Sample done by Customer		Sample Tested as Dry Basis	

## TEST RESULTS

### PROXIMATE ANALYSIS

S.No.	Characteristics	Units	Results	Test method
1.	Moisture (Recived basiss)	% by mass	03.89	IS 1350 Part -1
2.	Volatile Matter		73.71	IS 1350 Part -1
3.	Ash Content		15.38	IS 1350 Part -1
4.	Fixed Carbon		7.02	IS 1350 Part -1
5.	Grass Calorific Value	K.cal/kg	3897	IS 1350 Part -6

### ULTIMATE ANALYSIS

S.No.	Characteristics	Units	Results	Test method
1.	Carbon as C	% by mass	59.46	IS 1350 Part -4-1
2.	Hydrogen as H		06.46	IS 1350 Part -4-1
3.	Nitrogen as N		1.22	IS 1350 Part -4-2
4.	Oxygen as O <sub>2</sub>		16.80	IS 1350 Part -4-3
5.	Sulphur as S		0.69	IS 1350 Part -3
6.	Mineral Matter		14.76	IS 1350 Part -4-4

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		Our Ref No	TC-506421000001417P
		Work Order	As per discussion
		Your Ref Date	18.01.2021
Sample description given by Customer	<b>Wood Chips</b>		
Appearance of the Sample	Brown Color wood Chips	Sample condition at the time of registration	Found O.K
Mode of Packing	Self Lock Cover		
		Sample Quantity	0.5 kgs (Approx.)
Sample Registration date	21.01.2021	Analysis Start date	22.01.2021
Sample Registration Time	12.00 pm	Analysis Completion date	01.02.2021
Sample done by Customer		Sample Tested as Dry Basis	

## TEST RESULTS

### PROXIMATE ANALYSIS

S.No.	Charcteristics	Units	Results	Test method
1.	Moisture (Recived basiss)	% by mass	6.35	IS 1350 Part -1
2.	Volatile Matter		71.23	IS 1350 Part -1
3.	Ash Content		1.85	IS 1350 Part -1
4.	Fixed Carbon		20.57	IS 1350 Part -1
5.	Grass Calorific Value	K.cal/kg	4123	IS 1350 Part -6

### ULTIMATE ANALYSIS

S.No.	Charcteristics	Units	Results	Test method
1.	Carbon as C	% by mass	70.78	IS 1350 Part -4-1
2.	Hydrogen as H		6.43	IS 1350 Part -4-1
3.	Nitrogen as N		1.25	IS 1350 Part -4-2
4.	Oxygen as O <sub>2</sub>		18.47	IS 1350 Part -4-3
5.	Sulphur as S		0.85	IS 1350 Part -3
6.	Mineral Matter		1.78	IS 1350 Part -4-4

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 Web : www.visionlabs.com - NOTE : This Report is subject to the terms and conditions mentioned overleaf.





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		Our Ref No	TC-506421000001418P
		Work Order	As per discussion
		Your Ref Date	18.01.2021
Sample description given by Customer	<b>Maize Cones</b>		
Appearance of the Sample	White Color Cones	Sample condition at the time of registration	Found O.K
Mode of Packing	Self Lock Cover		
		Sample Quantity	0.5 kgs (Approx.)
Sample Registration date	21.01.2021	Analysis Start date	22.01.2021
Sample Registration Time	12.00 pm	Analysis Completion date	01.02.2021
Sample done by Customer		Sample Tested as Dry Basis	

## TEST RESULTS

### PROXIMATE ANALYSIS

S.No.	Characteristics	Units	Results	Test method
1.	Moisture (Recived basiss)	% by mass	05.93	IS 1350 Part -1
2.	Volatile Matter		86.37	IS 1350 Part -1
3.	Ash Content		3.23	IS 1350 Part -1
4.	Fixed Carbon		4.47	IS 1350 Part -1
5.	Grass Calorific Value	K.cal/kg	2689	IS 1350 Part -6

### ULTIMATE ANALYSIS

S.No.	Characteristics	Units	Results	Test method
1.	Carbon as C	% by mass	68.30	IS 1350 Part -4-1
2.	Hydrogen as H		6.57	IS 1350 Part -4-1
3.	Nitrogen as N		1.06	IS 1350 Part -4-2
4.	Oxygen as O <sub>2</sub>		19.66	IS 1350 Part -4-3
5.	Sulphur as S		0.45	IS 1350 Part -3
6.	Mineral Matter		3.10	IS 1350 Part -4-4

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		Our Ref No	TC-506421000001419P
		Work Order	As per discussion
		Your Ref Date	18.01.2021
Sample description given by Customer	<b>Palm Oil Waste</b>		
Appearance of the Sample	Brown color Palm Oil Waste	Sample condition at the time of registration	Found O.K
Mode of Packing	Self Lock Cover		
		Sample Quantity	0.5 kgs (Approx.)
Sample Registration date	21.01.2021	Analysis Start date	22.01.2021
Sample Registration Time	12.00 pm	Analysis Completion date	01.02.2021
Sample done by Customer		Sample Tested as Dry Basis	

## TEST RESULTS

### PROXIMATE ANALYSIS

S.No.	Charcteristics	Units	Results	Test method
1.	Moisture (Recived basiss)	% by mass	11.93	IS 1350 Part -1
2.	Volatile Matter		82.09	IS 1350 Part -1
3.	Ash Content		4.46	IS 1350 Part -1
4.	Fixed Carbon		1.52	IS 1350 Part -1
5.	Grass Calorific Value	K.cal/kg	3328	IS 1350 Part -6

### ULTIMATE ANALYSIS

S.No.	Charcteristics	Units	Results	Test method
1.	Carbon as C	% by mass	61.50	IS 1350 Part -4-1
2.	Hydrogen as H		6.39	IS 1350 Part -4-1
3.	Nitrogen as N		1.17	IS 1350 Part -4-2
4.	Oxygen as O <sub>2</sub>		26.15	IS 1350 Part -4-3
5.	Sulphur as S		0.51	IS 1350 Part -3
6.	Mineral Matter		4.28	IS 1350 Part -4-4

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		Our Ref No	TC-506421000001420P
		Work Order	As per discussion
		Your Ref Date	18.01.2021
Sample description given by Customer	<b>Wood Waste</b>		
Appearance of the Sample	Brown Color Chips	Sample condition at the time of registration	Found O.K
Mode of Packing	Self Lock Cover		
		Sample Quantity	0.5 kgs (Approx.)
Sample Registration date	21.01.2021	Analysis Start date	22.01.2021
Sample Registration Time	12.00 pm	Analysis Completion date	01.02.2021
Sample done by Customer		Sample Tested as Dry Basis	

## TEST RESULTS

### PROXIMATE ANALYSIS

S.No.	Characteristics	Units	Results	Test method
1.	Moisture (Recived basiss)	% by mass	10.25	IS 1350 Part -1
2.	Volatile Matter		81.34	IS 1350 Part -1
3.	Ash Content		6.89	IS 1350 Part -1
4.	Fixed Carbon		1.52	IS 1350 Part -1
5.	Grass Calorific Value	K.cal/kg	3367	IS 1350 Part -6

### ULTIMATE ANALYSIS

S.No.	Characteristics	Units	Results	Test method
1.	Carbon as C	% by mass	60.83	IS 1350 Part -4-1
2.	Hydrogen as H		6.53	IS 1350 Part -4-1
3.	Nitrogen as N		1.12	IS 1350 Part -4-2
4.	Oxygen as O <sub>2</sub>		23.60	IS 1350 Part -4-3
5.	Sulphur as S		0.39	IS 1350 Part -3
6.	Mineral Matter		6.61	IS 1350 Part -4-4

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 Web : www.visionlabs.com - NOTE : This Report is subject to the terms and conditions mentioned overleaf.