Intertek Testing Services (Thailand) Ltd.

TEST REPORT

Customer name : 3R Resources Co., Ltd. / Sun Maritime Co., Ltd
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Report no. : MTP/8499/2016
Revision no. : 0
Report date : 12-10-2016
Sample received date : 05-10-2016
Sample tested date : 11-10-2016
Test completed date : 11-10-2016

Sample description
Sample name : Wood Chip
Sample no. : MTP/8499/2016-01
Sample submitted by : Customer

Test Item	Test Method	Unit	Results(Note 1)	
			AR	DB
Moisture	EN 14774-2 : 2004	%wt	12.73	0.00
Ash	EN 14775: 2009	%wt	0.87	1.00
Gross Calorific Value	EN 14918 : 2009	kcal/kg	3,943	4,518
Net Calorific Value	EN 14918 : 2009	kcal/kg	3,592	4,201
Sulfur	EN 15289 : 2011	%wt	0.06	0.07
Chlorine	EN 15289 : 2011	%wt	0.11	0.13
Ultimate Analysis	EN 15104-2011			
- Carbon		%wt	41.51	47.56
- Hydrogen		%wt	5.31(Note 2)	6.09
- Nitrogen		%wt	2.79	3.20
- Oxygen	Calculation	%wt	36.61	41.95
Bark	TAPPI T-265 cm-99			
- Outer bark		%wt	0.00	
- Inner bark and dark knots		%wt	0.00	
- Light knots, stains and resin pockets		%wt	100.00	
- Rot and other defects		%wt	0.00	

Remark : "The test results relate only to the items tested and are not intended to be a recommendation for any particular course of action. Customer is responsible for acting as it sees fit on the basis of such results. All work is performed in accordance with Intertek Standard Terms And Conditions of Service which is Available on request and at http://www.intertek.com/terms.
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Note 1 : AR = As received basis, DB = Dry basis
Note 2 : Hydrogen in the moisture associated with the sample excluded in value report.

Reviewed by _____
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Assist. Laboratory Manager

Approved by _____
Tirdsak Asurin
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