



Iowa Area Development Group
 2700 Westown Parkway
 Suite 425
 West Des Moines, IA 50266-1411

Date Received: Jan 2, 2007
 Date Tested: Jan 12, 2007

Attn: Bruce L. Hansen

Sample Log No: 07C0006
 Sample Designation: 100% DDG Pellet

PROXIMATE / SHORT PROXIMATE ANALYSIS REPORT

	<u>MOISTURE & ASH FREE</u>	<u>MOISTURE FREE</u>	<u>AS RECEIVED</u>
Moisture Total %			8.51
Ash %		4.89	4.47
Volatile Matter %		-----	-----
Fixed Carbon By Difference %		-----	-----
Sulfur %		0.65	0.60
Heating Value BTU/LB	9707	9232	8445
Chlorine ug/g		1751	1602
Fluorine ug/g			
Mercury ug/g			
Carbon ug/g			

Sodium Oxide in Ash:

Hardgrove Grindability Index:

Remarks: Maximum Pellet Length 0.81 in
 Pellet Diameter 0.25 in
 % Fines 3.10 %
 Bulk Density 43.14 lbs/cu.ft.
 Water Soluble Sodium 1185 ppm (0.1185 %)

Methods: Moisture: ASTM D3173; Ash: ASTM D3174; Btu/lb: ASTM D5865; Sulfur: ASTM D4239
 Chlorine: ASTM D6721;

Prepared By: Kennie Anselum

Date: 1/4/08



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Date Received: Jan 2, 2007
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Sample Log No: 07C0007
Sample Designation: 100% DDG Granular

PROXIMATE / SHORT PROXIMATE ANALYSIS REPORT

	<u>MOISTURE & ASH FREE</u>	<u>MOISTURE FREE</u>	<u>AS RECEIVED</u>
Moisture Total %			10.92
Ash %		5.40	4.81
Volatile Matter %		-----	-----
Fixed Carbon By Difference %		-----	-----
Sulfur %		0.60	0.54
Heating Value BTU/LB	9395	8888	7918
Chlorine ug/g		1317	1174
Fluorine ug/g			
Mercury ug/g			
Carbon ug/g			

Sodium Oxide in Ash:

Hardgrove Grindability Index:

Remarks:

Bulk Density 31.85 lbs/cu.ft.
Water Soluble Sodium 1586 ppm (0.1586 %)

Methods: Moisture: ASTM D3173; Ash: ASTM D3174; Btu/lb: ASTM D5865; Sulfur: ASTM D4239
Chlorine: ASTM D6721;

Prepared By: Keri Avelin

Date: 1/4/08