

Laboratory #:
624427

TEST REPORT

Submitted By:	
Ron Catt Box 518 Austin, MB R0H 0C0 Attn: Ron Catt	Phone #: 204-723-2831 Fax #: Date Received: October 26, 2022 Date Printed: November 01, 2022

Client: **Package #:** 2FF
Product: **GRAIN** **Complete**
Description: **CORN GRAIN** **Sample #:**
HIGH MOISTURE, OPEN POLLINATED
Arrival Condition: Sample Intact

Analysis:	As Received	Dry Matter
Moisture (%) (test date 10/27/22)	20.39	
Dry Matter (%) (test date 10/27/22)	79.61	
Crude Protein (%) (test date 10/28/22)	8.76	11.00
Calcium (%) (test date 11/01/22)	0.02	0.02
Phosphorus (%) (test date 11/01/22)	0.24	0.30
Magnesium (%) (test date 11/01/22)	0.10	0.13
Potassium (%) (test date 11/01/22)	0.34	0.43
Sodium (%) (test date 11/01/22)	0.00	0.00
Acid Detergent Fibre (%) (test date 10/28/22)	3.50	4.40
Neutral Detergent Fibre (%) (test date 10/28/22)	5.62	7.06
Non Fibre Carbohydrates (%) (test date 11/01/2022)	56.63	71.14
Total Digestible Nutrients (%) (test date 11/01/2022)	67.64	84.96
Metabolizable Energy for Cattle (Mcal/kg) (test date 11/01/2022)	2.48	3.11
Net Energy for Lactation (Mcal/kg) (test date 11/01/2022)	1.56	1.97
Digestible Energy (Mcal/kg) (test date 11/01/2022)	2.98	3.75
Net Energy for Maintenance (Mcal/kg) (test date 11/01/2022)	1.69	2.12
Net Energy for Gain (Mcal/kg) (test date 11/01/2022)	1.15	1.45
Relative Feed Value (test date 11/01/2022)		1,126



Glenn Thompson
 Technical Laboratory Manager

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Client: **Package #:** 2FF
Product: GRAIN **Complete**
Description: CORN COB **Sample #:**

Arrival Condition: Sample Intact

Analysis:	As Received	Dry Matter
Moisture (%) (test date 10/27/22)	28.28	
Dry Matter (%) (test date 10/27/22)	71.72	
Crude Protein (%) (test date 10/28/22)	4.71	6.57
Calcium (%) (test date 11/01/22)	0.01	0.02
Phosphorus (%) (test date 11/01/22)	0.17	0.23
Magnesium (%) (test date 11/01/22)	0.08	0.11
Potassium (%) (test date 11/01/22)	0.33	0.46
Sodium (%) (test date 11/01/22)	0.00	0.00
Acid Detergent Fibre (%) (test date 10/28/22)	6.98	9.73
Neutral Detergent Fibre (%) (test date 10/28/22)	16.02	22.34
Non Fibre Carbohydrates (%) (test date 11/01/2022)	43.24	60.29
Total Digestible Nutrients (%) (test date 11/01/2022)	58.21	81.17
Metabolizable Energy for Cattle (Mcal/kg) (test date 11/01/2022)	2.13	2.97
Net Energy for Lactation (Mcal/kg) (test date 11/01/2022)	1.34	1.87
Digestible Energy (Mcal/kg) (test date 11/01/2022)	2.57	3.58
Net Energy for Maintenance (Mcal/kg) (test date 11/01/2022)	1.44	2.01
Net Energy for Gain (Mcal/kg) (test date 11/01/2022)	0.97	1.35
Relative Feed Value (test date 11/01/2022)		339



Glenn Thompson
Technical Laboratory Manager

Methods of Analysis

Ron Catt

Box 518

Austin, MB R0H 0C0

Att: Ron Catt

Phone #: 204-723-2831

Fax #:

Date Reported: **November 01, 2022**

Test or Category	Method of Analysis
Non Fibre Carbohydrates.....	Calculation
Relative Feed Value.....	Calculation
Digestible Energy.....	Calculation ¹
Metabolizable Energy for Cattle.....	Calculation ¹
Net Energy for Gain.....	Calculation ¹
Net Energy for Lactation.....	Calculation ¹
Net Energy for Maintenance.....	Calculation ¹
Total Digestible Nutrients.....	Calculation ¹
Acid Detergent Fibre.....	CTL-ANCSOP
Neutral Detergent Fibre.....	CTL-ANCSOP
Moisture.....	CTL-MASOP
Mineral.....	CTL-MICPSOP
Crude Protein.....	CTL-PDSOP
Moisture.....	NIR

¹ R.S. Adams, Pennsylvania State University, rev 1994

Method Reference for Laboratory #(s) 624427,624428