



**Rocky Mountain Grain**

299614 AB Ltd  
Box 550  
Lethbridge AB T1J 3Z4

**Report of Analysis**

Date: October 05, 2010  
File No.: 1201-104189-1

**WE HAVE ANALYZED** the herein described submitted sample and report as follows:

**DESCRIPTION** : Compressed Hemp Heart Sample  
**SAMPLE RECEIVED** : September 20, 2010

**ANALYSIS:**

<b><u>TESTS</u></b>	<b><u>METHOD REFERENCE</u></b>	<b><u>RESULTS</u></b>
Energy	(03-01-SLM-FD-0022)	402 Cal/100g
Energy	(03-01-SLM-FD-0022)	1684 KJ/100g
Protein (N X 6.25)	(03-01-SLM-FD-0005)	50.7 g/100g
Fat	(03-01-SLM-FD-0058)	13.2 g/100g
Calories from Fat	(03-01-SLM-FD-0022)	119 Cal/100g
Saturated Fat	(03-01-SLM-FD-0058)	1.8 g/100g
Monounsaturated Fat	(03-01-SLM-FD-0058)	1.6 g/100g
Polyunsaturated fat	(03-01-SLM-FD-0058)	9.8 g/100g
Trans Fat	(03-01-SLM-FD-0058)	<0.1 g/100g
Cholesterol	(03-01-SLM-FD-0028)	<1 mg/100g
Carbohydrates	(03-01-SLM-FD-0021)	20.2 g/100g
Total Sugar	(03-01-SLM-FD-0050)	3.3 g/100g
Total Dietary Fibre	(03-01-SLM-FD-0002)	17.0 g/100g
Sodium	(03-01-SLM-FD-0015)	0.1 mg/100g
Calcium	(03-01-SLM-FD-0015)	155.4 mg/100g
Iron	(03-01-SLM-FD-0015)	23.1 mg/100g
Moisture	(03-01-SLM-FD-0009)	6.4 g/100g
Ash	(03-01-SLM-FD-0001)	9.5 g/100g
Vitamin A	(03-01-SLM-VM-0002 & -0028)	44 IU/100g
Vitamin A	(03-01-SLM-VM-0002 & -0028)	14 RE/100g
Beta Carotene	(03-01-SLM-VM-0002 & -0028)	10 IU/100g
Vitamin C	(03-01-SLM-VM-0029)	<1 mg/100g
Thiamine Hydrochloride	(03-01-SLM-VM-0024)	3.3 mg/100g
Riboflavin (Vit B2)	(03-01-SLM-VM-0023)	0.86 mg/100g
Pyridoxine	(USP 24)	2.50 mg/100g
Niacin	(03-01-SLM-VM-0021)	2.6 mg/100g
Folic Acid	(USP 24)	<0.02 mg/100g

**SGS Canada Inc.**

Kaiser Turabek  
Chemist

KT/el

[CR-201ROA100-20040624]

*The reported results relate only to items tested.*

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Pantothenic Acid (Vit B5)	(03-01-SLM-VM-0020)	<0.02 mg/100g
Cyanocobalamin B12	(03-01-SLM-VM-0018)	<2 ug/100g
Biotin	(USP 24)	<0.02 mg/100g
Vitamin D3	(JAOAC 75 (5): 812 - 815, 1992)	<10 IU/100g
Vitamin E	([J.Sci.Fd.Agri.,Vol.29,pg 697-702])	<10 IU/100g
Ag	(EPA 3052/200.8)	<0.01 ug/g
Al	(EPA 3052/200.8)	2 ug/g
Ba	(EPA 3052/200.8)	1.6 ug/g
Bi	(EPA 3052/200.8)	<0.09 ug/g
Ca	(EPA 3052/200.8)	1000 ug/g
Co	(EPA 3052/200.8)	0.11 ug/g
Cr	(EPA 3052/200.8)	<0.5 ug/g
Cu	(EPA 3052/200.8)	23 ug/g
Fe	(EPA 3052/200.8)	212 ug/g
K	(EPA 3052/200.8)	13000 ug/g
Mg	(EPA 3052/200.8)	8100 ug/g
Mn	(EPA 3052/200.8)	153 ug/g
Mo	(EPA 3052/200.8)	2.9 ug/g
Na	(EPA 3052/200.8)	9 ug/g
Ni	(EPA 3052/200.8)	2.4 ug/g
P	(EPA 3052/200.8)	21000 ug/g
Sb	(EPA 3052/200.8)	<0.8 ug/g
Sr	(EPA 3052/200.8)	2.5 ug/g
Ti	(EPA 3052/200.8)	0.2 ug/g
U	(EPA 3052/200.8)	<0.002 ug/g
V	(EPA 3052/200.8)	<3 ug/g
Zn	(EPA 3052/200.8)	140 ug/g
Aspartic Acid	(JAOAC 69:1105-1106 & Science Tools 32(2))	4.80 %
Threonine	(JAOAC 69:1105-1106 & Science Tools 32(2))	1.64 %
Serine	(JAOAC 69:1105-1106 & Science Tools 32(2))	2.17 %
Glutamic Acid	(JAOAC 69:1105-1106 & Science Tools 32(2))	8.35 %
Proline	(JAOAC 69:1105-1106 & Science Tools 32(2))	1.89 %
Glycine	(JAOAC 69:1105-1106 & Science Tools 32(2))	1.92 %
Alanine	(JAOAC 69:1105-1106 & Science Tools 32(2))	2.00 %

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Cystine	(JAOAC 69:1105-1106 & Science Tools 32(2))	0.78 %
Valine	(JAOAC 69:1105-1106 & Science Tools 32(2))	1.94 %
Methionine	(JAOAC 69:1105-1106 & Science Tools 32(2))	1.01 %
Isoleucine	(JAOAC 69:1105-1106 & Science Tools 32(2))	1.56 %
Leucine	(JAOAC 69:1105-1106 & Science Tools 32(2))	2.99 %
Tyrosine	(JAOAC 69:1105-1106 & Science Tools 32(2))	1.40 %
Phenylalanine	(JAOAC 69:1105-1106 & Science Tools 32(2))	1.95 %
Histidine	(JAOAC 69:1105-1106 & Science Tools 32(2))	1.25 %
Lysine	(JAOAC 69:1105-1106 & Science Tools 32(2))	1.87 %
Ammonia	(JAOAC 69:1105-1106 & Science Tools 32(2))	0.61 %
Arginine	(JAOAC 69:1105-1106 & Science Tools 32(2))	5.68 %
Tryptophan	(JAOAC 69:1105-1106 & Science Tools 32(2))	0.54 %
Arsenic (As)	(EPA 3052)	<0.5 ppm
Cadmium (Cd)	(EPA 3052)	<0.1 ppm
Mercury (Hg)	(EPA 3052)	<0.1 ppm
Lead (Pb)	(EPA 3052)	<0.1 ppm

### REMARKS

< denotes none detected followed by the detection limit.

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