central testing laboratory ltd.
Phone: 204.237.9128
Fax: 855.754.1046
Toll Free: 877.955.7861
Email: info@ctl.mb.ca
Website: www.ctl.mb.ca
Unit 9 - 851 Lagimodiere Blvd.
Winnipeg, MB
R2J 3K4

CTL-TRT Rev 1.0 Revised: August 28, 2015

Laboratory #: 631645

TEST REPORT

Submitted By:			
Soy-Max Proteins Inc		**Phone #:**	**204-864-2562**
RR1 10450 Assiniboine Rd.		**Fax #:**	
Cartier, MB R4K 1B8		**Date Received:**	**December 07, 2022**
Attn: Matt Wipf		**Date Printed:**	**February 09, 2023**

Client:
Product: **SUPPLEMENT**
Description: **OIL**
From line Dec 6/22
Arrival Condition: **Sample Intact**

Package #: 1FO,2FO,3FO,3R
Complete ☑
Sample #: **3**

Analysis:	As Received	Dry Matter
Moisture (%) (test date 12/08/22)	0.01	
Dry Matter (%) (test date 12/08/22)	99.99	
Crude Protein (%) (test date 12/14/22)	1.11	1.11
Crude Fibre (%) (test date 12/14/22)	0.00	0.00
Fat (%) (test date 02/02/23)	100.00	100.01
Ash (%) (test date 12/08/22)	0.00	0.00
Calcium (%) (test date 12/13/22)	0.00	0.00
Phosphorus (%) (test date 12/13/22)	0.00	0.00
Magnesium (%) (test date 12/13/22)	0.00	0.00
Potassium (%) (test date 12/13/22)	0.01	0.01
Sodium (%) (test date 12/13/22)	0.00	0.00
Copper (mg/kg) (test date 12/13/22)	0.07	0.07
Iron (mg/kg) (test date 12/13/22)	4.71	4.71
Manganese (mg/kg) (test date 12/13/22)	0.24	0.24
Zinc (mg/kg) (test date 12/13/22)	0.30	0.30
Insoluble Impurities (%) (test date 12/12/22)	0.10	
Unsaponifiables (%) (test date 12/12/22)	1.22	
MIU (%) (test date 02/09/2023)	1.33	
Total Fatty Acid (Calculated) (%) (test date 02/09/2023)	98.67	
Free Fatty Acid (Oleic Acid) (%) (test date 12/12/22)	0.21	
Peroxide Value (meq/kg) (test date 12/12/22)	3.83	
Rancidity (test date 12/12/22)	Negative	
Total Digestible Nutrients (%) (test date 02/09/2023)	91.99	91.00
Digestible Energy for Swine (kcal/kg) (test date 02/09/2023)	7,976.13	7,976.91
Gross Energy for Swine (kcal/kg) (test date 02/09/2023)	9,759.25	9,760.21
Metabolizable Energy for Swine (kcal/kg) (test date 02/09/2023)	7,981.46	7,982.25
Metabolizable Energy for Poultry (kcal/kg) (test date 02/09/2023)	8,606.70	8,607.56
Digestible Energy for Cattle/Sheep (Mcal/kg) (test date 02/09/2023)	4.19	4.19

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CTL-TRT Rev 1.0 Revised: August 28, 2015

Laboratory #: 631645

TEST REPORT

Submitted By:			
Soy-Max Proteins Inc		Phone #:	204-864-2562
RR1 10450 Assiniboine Rd.		Fax #:	
Cartier, MB R4K 1B8		Date Received:	December 07, 2022
Attn: Matt Wipf		Date Printed:	February 09, 2023

Client:		**Package #:**	1FO,2FO,3FO,3R
Product:	**SUPPLEMENT**	**Complete**	☑
Description:	**OIL**	**Sample #:**	**3**
	From line Dec 6/22		
Arrival Condition:	**Sample Intact**		

Analysis:	As Received	Dry Matter

Glenn Thompson
Technical Laboratory Manager

Remarks: Amended: Fat
Replaces certificate dated Dec/15/22 (Ref.nc#09813)

central testing laboratory ltd.

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Winnipeg, MB
R2J 3K4

Methods of Analysis

Soy-Max Proteins Inc
RR1 10450 Assiniboine Rd.
Cartier, MB R4K 1B8 **Phone #: 204-864-2562**
Att: Matt Wipf **Fax #:**

Date Reported: **February 09, 2023**

Test or Category	Method of Analysis
Unsaponifiables	AOAC 933.08
Free Fatty Acid (Oleic Acid)	AOAC 940.28
Crude Fibre	AOAC 962.09 Modified
Insoluble Impurities	AOCS ca3-46
Digestible Energy for Cattle/Sheep	Calculation
Digestible Energy for Swine	Calculation
Gross Energy for Swine	Calculation
Metabolizable Energy for Poultry	Calculation
Metabolizable Energy for Swine	Calculation
MIU	Calculation
Total Digestible Nutrients	Calculation
Total Fatty Acid (Calculated)	Calculation
Ash	CTL-A2SOP
Moisture	CTL-MASOP
Mineral	CTL-MICPSOP
Crude Protein	CTL-PDSOP
Rancidity	MCC 174
Fat	Modification of AOAC 954.02
Peroxide Value	Modification of AOAC 965.33

AOAC: Association of Official Analytical Chemists
AOCS: American Oil Chemist Society
MCC: Modern Cereal Chemistry

Method Reference for Laboratory #(s) 631645