

**GLYCERIN TRADERS LLC
DENNIS ZEEDYK
2010 MICHIGAN AVE
LA PORTE IN 46350**

REPORT OF ANALYSIS

For: (28747) GLYCERIN TRADERS LLC
FEED ANALYSIS
FINISHED FEEDS

Analysis	Level Found		Units	Reporting		Analyst-Date	Verified-Date
	As Received	Dry Weight		Limit	Method		
Sample ID: FATTY ACID FLAKES	Lab Number: 12093250						
Moisture	3.57	//////	%	0.01	AOAC 930.15 *	kkw8-2013/06/04	jpt1-2013/06/05
Dry matter	96.43	//////	%	0.010	CALCULATION	Auto-2013/06/05	Auto-2013/06/05
Protein (crude)	0.45	0.47	%	0.20	AOAC 990.03	cmw4-2013/06/04	jpt1-2013/06/05
Fat (crude)	96.4	100	%	0.10	AOAC 2003.05 *	jpt1-2013/06/05	jpt1-2013/06/05
Fiber (acid detergent)	n.d.	n.d.	%	0.5	ANKOM Tech. Method *	sdh7-2013/06/05	jpt1-2013/06/05
Ash	n.d.	n.d.	%	0.10	AOAC 942.05 *	sss6-2013/06/05	jpt1-2013/06/05
Total digestible nutrients	193	200	%	0.1	CALCULATION	Auto-2013/06/05	Auto-2013/06/05
Net energy (lactation)	2.09	2.17	Mcal/lbs	0.01	CALCULATION	Auto-2013/06/05	Auto-2013/06/05
Net energy (maint.)	2.35	2.44	Mcal/lbs	0.01	CALCULATION	Auto-2013/06/05	Auto-2013/06/05
Net energy (gain)	1.46	1.52	Mcal/lbs	0.01	CALCULATION	Auto-2013/06/05	Auto-2013/06/05
Digestible energy	3.87	4.01	Mcal/lbs	0.01	CALCULATION	Auto-2013/06/05	Auto-2013/06/05
Metabolizable energy	3.70	3.84	Mcal/lbs	0.01	CALCULATION	Auto-2013/06/05	Auto-2013/06/05
Phosphorus (total)	n.d.	n.d.	%	0.01	AOAC 985.01 (mod) *	cvs7-2013/06/04	jpt1-2013/06/05
Calcium (total)	n.d.	n.d.	%	0.01	AOAC 985.01 (mod) *	cvs7-2013/06/04	jpt1-2013/06/05
Fiber (neutral detergent)	n.d.	n.d.	%	1.0	ANKOM Tech. Method	sdh7-2013/06/05	jpt1-2013/06/05
pH	6.7		S.U.	0.1	ISE	pgr4-2013/06/04	jpt1-2013/06/05
Bulk density	***		lbs/ft ³	0.10	CALCULATION	-	-

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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REPORT NUMBER

13-156-9251

REPORT DATE
Jun 05, 2013

RECEIVED DATE
Jun 03, 2013

SEND TO
28747



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www.midwestlabs.com

PAGE 2/3

ISSUE DATE
Jun 05, 2013

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Analysis	Level Found		Units	Reporting		Analyst- Date	Verified- Date
	As Received	Dry Weight		Limit	Method		

n.d. = not detected Mineral analysis performed by ICAP using a wet digest procedure.

For questions please contact:

Sue Ann Seitz
Client Service Representative
sueann@midwestlabs.com (402)829-9892

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Detailed Method Description(s)**AOAC 930.15**

Analysis follows FD PROC 16 which is based on AOAC 930.15. The sample is weighted and placed in an oven set at 135 oC for two (2) hours. The sample is reweighted and the amount of material lost is reported as moisture.

AOAC 2003.05

Analysis follows FD PROC 26 which is based on AOAC 2003.05. The sample is extracted with drip immersion of the sample in petroleum (pet) ether. The pet ether is poured into a pre-weighed container and then evaporated. The container is re-weighed and the increase in weight is reported as crude fat

ANKOM Tech. Method

Analysis follows FD PROC 39 which is based on AOCS Ba 6a-05. The sample is sealed in a small bag and the bag immersed in a solution that dissolves certain materials. The bag is washed and dried and re-weighed. The loss in weight is reported as acid detergent fiber

AOAC 942.05

Analysis follows FR PROC 19 which is based on AOAC 942.05. The sample is weighed and placed in a muffle furnace at 600 oC. After a period of time, the sample is removed and the remaining material weighted and reported as ash. Moisture and organic material is driven off.

AOAC 985.01 (mod)

Sample prep follows ME PROC 69 which is based on AOAC 935.13 (wet ash) and analysis follows PROC ME PROC 29 which is based on AOAC 985.01 (ICP). The sample is treated with a combination of heat and mineral acids to destroy organic materials and dissolve minerals. The extract is then introduced into the ICP (Inductively Coupled Argon Plasma Emission Spectrometer). In the ICP, an energized plasma is produced and as the energized plasma cools, light is emitted. Each element has a specific wavelength of light and the intensity of the light is used to quantitate the level of mineral in the sample.

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