

REPORT NUMBER

**23-089-9142**

REPORT DATE  
**Mar 30, 2023**

RECEIVED DATE  
**Mar 27, 2023**

SEND TO  
**33909**



13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770  
www.midwestlabs.com

**PAGE 1/4**

ISSUE DATE  
**Mar 30, 2023**

**REPORT OF ANALYSIS**

Open Farm Beef  
088235005

Analysis	Level Found		Units	Reporting		Analyst-Date	Verified-Date
	As Received	Dry Weight		Limit	Method		
Sample ID: <b>3/24/2023</b> Lab Number: <b>14019757</b> Date Sampled: <b>2023-03-25</b>							
E. coli (generic)	n.d.		cfu/g	10	AOAC OMA 2018.13	kje1-2023/03/28	nl7-2023/03/28
Listeria	negative		org/25g	1	RapidChek/AOAC RI 020401	Hct6-2023/03/29	snl7-2023/03/29
Salmonella	negative		org/25g	1	AOAC 2003.09; AFNOR QUA 18/03-11/02	snl7-2023/03/28	jzh4-2023/03/28

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

**Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.**

REPORT NUMBER

**23-089-9142**

REPORT DATE  
**Mar 30, 2023**

RECEIVED DATE  
**Mar 27, 2023**

SEND TO  
**33909**



13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770  
www.midwestlabs.com

**PAGE 2/4**

ISSUE DATE  
**Mar 30, 2023**

**REPORT OF ANALYSIS**

For: (33909) Open Farm Beef  
088235005

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

n.d. = not detected , cfu = colony forming unit , ppm = parts per million, ppm = mg/kg Mineral analysis performed by ICAP using a wet digest procedure.

For questions please contact:

Derrick Kendrick  
Account Manager  
dkendrick@midwestlabs.com (402)590-2989

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

Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.

## REPORT OF ANALYSIS

### Detailed Method Description(s)

#### Moisture

Analysis follows MWL FD 016 which is based on AOAC 930.15. A sample is blended, mixed, or ground to obtain a homogenous sub-sample. The sample aliquot is placed in a pre-weighed tin, weighed to get a sample weight and then placed in a 135°C convection oven for two (2) hours. The sample is then removed, cooled in a desiccator and reweighed. The loss in weight is reported as % moisture

#### E. coli and Total Coliform using 3M Petrifilm

Sample analysis follows MWL MI 292 which is based on AOAC 2018.13. A representative sample is obtained and added to phosphate buffer. Aliquots of the sample are withdrawn and placed on Petrifilm plates. The plates are incubated for 18 to 24 hours. After incubation, the plates are counted to determine the number of generic E. coli and total coliforms present. The color of the colony and the presence of gas differentiate a generic coliform from E. coli. The levels are reported as colony forming units (cfu).

#### Salmonella PCR

Sample analysis follows MWL MI 180 which is based on AOAC 2003.09. A representative sample is obtained and combined with Buffered Peptone Water. The sample is incubated for 16 hours. An aliquot of enriched sample is transferred to BHI and incubated for three hours. The enriched media is then analyzed by PCR for Salmonella detection. Results are reported as negative or presumptive positive.

#### Listeria Lateral Flow

Samples are analyzed following MWL MI 194 which is based on the RapidChek Listeria User Guide. A representative sample is obtained and combined with a selective growth media. It is incubated for 40-48 hours. After incubation, an aliquot is heated for 10 minutes, and a test strip for Listeria detection is used. Results are reported as negative or presumptive positive. This procedure does not speciate Listeria.

#### Calculation

Analytical results are entered into applicable formulas to provide a calculated result which is reported.

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

**Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.**

## REPORT OF ANALYSIS

### Protein (Crude)

Analysis follows MWL FD 070 which is based on AOAC 990.03. The sample is placed in a combustion instrument and the amount of nitrogen is obtained. The nitrogen value is multiplied by a factor of 6.25 and that value reported as crude protein.

### Acid Hydrolysis Fat

Analysis follows FD 027 which is based on AOAC 954.02. A sample is treated with ethanol and hydrochloric acid to help release fat in the sample. Separate treatments of ethyl ether and petroleum ether is used to extract the fat and the ethers collected in a pre-weighed beaker. The ether is evaporated and dried at 70 degrees C to remove remaining ether and moisture and the material remaining in the beaker is reported as "fat".

### Crude Fiber

Analysis follows MWL FD 039 which is based on AOCS Ba 6a-05. A small amount of sample is weighed and placed in a membrane bag and sealed. The bag and sample are placed in a container that treats the sample with a variety of chemicals to dissolve materials which leach out of the bag. After repeated washing and rinsing, the bag is dried and reweighed. The material remaining in the bag is reported as crude fiber

### Ash

Analysis follows MWL FD 019 which is based on AOAC 942.05. The sample is weighed and placed in a muffle furnace at 600°C. After a period of time, the sample is removed and the remaining material weighed and reported as ash. Moisture and organic material is driven off.

### ICP analysis of Feeds

Analysis follows MWL ME 029 which is based on AOAC 985.01. Samples have been prepared using MWL ME 069 which is a wet ash procedure that requires mineral acids and heat. Sample analysis involves moving the sample extract into the ICP where it is nebulized and introduced into the high temperature plasma which energizes the electrons of the dissolved minerals/metals. As the energized electrons of the minerals/metals return to ground state, energy is released as light. The emitted wavelength(s) and light intensities are used to identify and quantitate the minerals/metals in the sample

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

**Our reports and letters are for the exclusive and confidential use of our clients and may not be reproduced in whole or in part, nor may any reference be made to the work, the results, or the company in any advertising, news release, or other public announcements without obtaining our prior written authorization.**