



CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-01-PPN
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 093
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.9		
Dry Matter	98.1	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	4.41	4.5 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.06	0.06 % DM	



Cumberland Valley Analytical Services, Inc.

4999 Zane A. Miller Drive, Waynesboro, PA 17268
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CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-02-PPN (P/W: EPA-01-PPN)
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 094
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.5		
Dry Matter	98.5	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	4.24	4.3 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.06	0.06 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-03-PPN
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 095
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.3		
Dry Matter	98.7	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	3.95	4.0 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.05	0.05 % DM	



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CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-04-PPN CONE
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 096
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.9		
Dry Matter	98.1	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	3.92	4.0 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.04	0.04 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-05-PPN CONE
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 097
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.4		
Dry Matter	98.6	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	3.94	4.0 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.04	0.04 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-06-PPN FWD
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 098
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	2.0		
Dry Matter	98.0	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	2.45	2.5 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.03	0.03 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-07-PPN FWD
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 099
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.7		
Dry Matter	98.3	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	3.05	3.1 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.03	0.03 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-08-DF
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 101
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.5		
Dry Matter	98.5	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	4.73	4.8 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.07	0.07 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-09-DF
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 102
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.7		
Dry Matter	98.3	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	5.50	5.6 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.07	0.07 % DM	



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CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: **FSL**
Desc: **EPA-10-DF**
Submitter: **LINCOLN, EMILY**
Account: **FIRE SCIENCES LAB (FSL)**

Copies to:

Lab ID: **30853 103**
Sampled: **08/17/2021**
Arrived: **08/19/2021**
Completed: **08/26/2021**
Reported: **08/26/2021**

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	2.8		
Dry Matter	97.2	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	6.32	6.5 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.08	0.08 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-11-DF LITTER
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 104
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.6		
Dry Matter	98.4	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	5.51	5.6 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.06	0.06 % DM	



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CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-12-DF FWD
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 105
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	2.8		
Dry Matter	97.2	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	3.99	4.1 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.05	0.05 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-13-DF CONE
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 106
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	6.7		
Dry Matter	93.3	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	4.01	4.3 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.13	0.14 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-14-LARCH FWD
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 107
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	2.6		
Dry Matter	97.4	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	5.55	5.7 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.06	0.06 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-15-BSN
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 108
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	6.1		
Dry Matter	93.9	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	3.57	3.8 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.07	0.07 % DM	



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CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-16-BS
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 109
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.9		
Dry Matter	98.1	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	4.51	4.6 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.09	0.09 % DM	



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CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-17-BS
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 110
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.8		
Dry Matter	98.2	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	4.12	4.2 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.09	0.09 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-19-BS
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 112
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	2.5		
Dry Matter	97.5	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	4.19	4.3 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.09	0.09 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-20-BSN
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 113
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	5.7		
Dry Matter	94.3	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	5.94	6.3 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.14	0.15 % DM	



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CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-21-PW
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 114
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	3.1		
Dry Matter	96.9	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	3.88	4.0 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.10	0.10 % DM	



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CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-22-PN
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 115
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	2.0		
Dry Matter	98.0	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	6.76	6.9 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.09	0.09 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-23-PN
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 116
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	1.9		
Dry Matter	98.1	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	6.47	6.6 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.10	0.10 % DM	



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"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: FSL
Desc: EPA-24-JPW
Submitter: LINCOLN, EMILY
Account: FIRE SCIENCES LAB (FSL)

Copies to:

Lab ID: 30853 117
Sampled: 08/17/2021
Arrived: 08/19/2021
Completed: 08/26/2021
Reported: 08/26/2021

ANALYSIS RESULTS	AS RECEIVED	UNIT	
Moisture	2.1		
Dry Matter	97.9	% DM	
PROTEINS	AS RECEIVED	UNIT	90% RANGE
Crude Protein	4.99	5.1 % DM	
MINERALS	AS RECEIVED	UNIT	90% RANGE
Sulfur (%DM)	0.09	0.09 % DM	



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