

Chemist Report Results for Feed Samples

Samples Reported January 1, 2016 through December 31, 2016
Pub. No. 630-309

Key: D = Deficient/Excess; Found = 0
indicates value could not be detected at
the minimum detection level.

RESPONSIBLE PARTY		CITY	
SAMPLE ID NO.	PRODUCT NAME		
Nutrient	Min	Max	Found

FD-19-0006-16 CADET MUNCHY RAWHIDE GOURMET

Crude Protein:	50	75.9	
Crude Fat:	10%	5.3%	D

FD-19-0005-16 MILK BONE MARO SNACKS

Crude Protein:	15	15.6	
Crude Fat:	5%	9.7%	
Calcium:	0.54	1.9	
Phosphorous:	0.45	1.3	
Copper:	6.6	10.5	
Zinc:	108ppm	89.8ppm	

FD-19-0004-16 MILK BONES MINIS

Crude Protein:	12	20.7	
Crude Fat:	7%	8.1%	
Calcium:	1.3	1.21	

AFCO DISTRIBUTION AND MILLING

SPOKANE VALLEY

FD-11-0002-16 CHICK STARTER

Crude Protein:	21	24	
Lysine:	1.1	1.33	
Methionine:	0.45	0.483	
Crude Fat:	3.5%	2.9%	D
Calcium:	0.7	1.2	0.569
Phosphorous:	0.65	0.743	
Salt:	0.25	0.45	0.26

FD-11-0008-16 HEN SCRATCH

Crude Protein:	8	9.3	
Crude Fat:	1.75%	2.8%	
Ash	4	1.3	

FD-11-0010-16 LMF SHOWTIME (G)

Crude Protein:	12	12.6	
Crude Fat:	6%	6.3%	
Calcium:	0.7	1	1.1
Phosphorous:	0.6	0.755	
Copper:	50ppm	66.7ppm	
Selenium:	0.8ppm	1.3ppm	D
Zinc:	170ppm	242ppm	

FD-11-0004-16 PIG SHOW & GROW 18%

Crude Protein:	18	20.6	
Lysine:	1.1	1.18	
Crude Fat:	4%	3.8%	
Calcium:	0.72	0.86	0.85
Phosphorous:	0.5	0.697	
Salt:	0.36	0.44	0.58
Selenium:	0.3ppm	0.852ppm	D
Zinc:	150ppm	266ppm	

FD-11-0006-16 STEAM ROLLED OATS

Crude Protein:	9.5	11.2	
Crude Fat:	3%	4.2%	

RESPONSIBLE PARTY		CITY		
SAMPLE ID NO.	PRODUCT NAME			
Nutrient	Min	Max	Found	

AMALGAMATED SUGAR COMPANY
TWIN FALLS
FD-05-0030-16 CSB-CONCENTRATED SEPARATOR BY-PRODUCT

Crude Protein:	10	10.2	
Moisture	25%	30.4%	D
Ash	15%	20.2%	
Sugar	15	15.3	

ARTEMIS PET FOOD
LONG BEACH
FD-11-0063-16 FRESH MIX ADULT DOG SUPRE PREMIUM DRY DOG FOOD (3653 - = PENDING

Crude Protein:	23	24.5	
Crude Fat:	14%	16.2%	
Moisture	10	8.2	

FD-11-0062-16 OSPOSURE GRAIN FREE TURKEY & GARBANZO BEAN FORMULA FOOD FOR D

Crude Protein:	24	27.1	
Crude Fat:	14%	16.6%	
Selenium:	0.3	0.598	
Zinc:	150	182	
Moisture	10	9.8	

BUCHANAN CELLERS
MCMINNVILLE
FD-03-0246-16 BEAVER BRAND ALL-BREED 14%

Crude Protein:	14	14.6	
Crude Fat:	3%	3.8%	
Calcium:	0.6	1.15	0.685
Phosphorous:	0.4		0.509
Potassium:	0.25		1.06

FD-03-0247-16 BEAVER BRAND DY COP (BW)

Crude Protein:	8	9.2	
Crude Fat:	2%	2.4%	

BUNGE CANADA
OAKVILLE
FD-05-0044-16 CANOLA MEAL/TANK 3

Crude Protein:	34	39	
Crude Fiber:	2	2.2	
Moisture	12	8.82	

CHS INC
INVERGROVE HEIGHTS
FD-03-0281-16 GOAT TENDER WITH KELP

Crude Protein:	14	16.3	
Crude Fat:	2%	3.8%	
Calcium:	1	1.5	1.06
Phosphorous:	0.4		0.725 D
Salt:	0.5		1.89 D
Copper:	20ppm	25ppm	18ppm
Selenium:	0.8		0.622

CHS NUTRITION
GREAT FALLS
FD-05-0021-16 NORTH 40 OUTFITTERS DRY COB

Crude Protein:	10	11.2	
Crude Fat:	2%	3.3%	
Crude Fiber:		5.5	4.7

FD-05-0023-16 NORTH 40 OUTFITTERS DRY COB

Crude Protein:	10	10.8	
Crude Fat:	2%	3.3%	
Crude Fiber:		5.5	4.7

RESPONSIBLE PARTY		CITY		
SAMPLE ID NO.	PRODUCT NAME			
Nutrient	Min	Max	Found	

COUNTRY ACRES FEED COMPANY
BRENTWOOD
FD-05-0034-16 GRAINLAND SELCT C.O.B. W/MOL

Crude Protein:	8	9.5
Crude Fat:	4%	5.3%
Calcium:	0.01	0.51 0.0859
Phosphorous:	0.15	0.254
Sodium:		0.0151

FD-05-0025-16 NONE

Crude Protein:	8	11.4
Crude Fat:	2.5%	2.7%
Calcium:	0.01	0.0367

FERTRELL/GUYAMAS PROTEIN COMOPANY S.
GUYAMAS, SONORA
FD-19-0047-16 FERTRELL'S FISH MEAL

Crude Protein:	60	64.7
Crude Fat:	4%	10.5%
Calcium:	5	4.62
Phosphorous:	2.5	4.54
Selenium:	1.5	1.78

GREENBRIER INTERNATIONAL
CHESAPEAKE
FD-19-0010-16 GREENBIER DOG BISCUITS PEANUT BUTTER FLAVOR

Crude Protein:	15	18.1
Crude Fat:	5%	6.2%

FD-19-0008-16 GREENBRIER PREMIUM DOG FOOD

Crude Protein:	21	23.3
Crude Fat:	10%	10.4%
Calcium:	1	1.68

HEGE FARM
DEER PARK
FD-11-0036-16 CHICKEN LAYER

Crude Protein:	16.1
Lysine:	0.753
Methionine:	0.269
Crude Fat:	3%
Crude Fiber:	3.1
Calcium:	3.62
Phosphorous:	0.329
Sodium:	0.128
Salt:	0.51

FD-11-0034-16 HOG FEED ALL PURPOSE

Crude Protein:	17
Lysine:	0.557
Crude Fat:	3.1%
Crude Fiber:	3.4
Calcium:	0.44
Phosphorous:	0.625
Sodium:	0.105
Salt:	0.44
Selenium:	0.659
Zinc:	136

RESPONSIBLE PARTY		CITY		
SAMPLE ID NO.	PRODUCT NAME			
Nutrient	Min	Max	Found	

HILLS PET NUTRITION INC

TOPEKA

FD-03-0285-16 SKIN / FOOD SENSITIVITIES Z/D

Crude Protein:	28	31.3
Crude Fat:	12%	13.6%
Crude Fiber:	3.5	1.7

FD-05-0051-16 Z/D SKIN/FOOD SENSITIVITIES

Crude Protein:	28	30.7
Crude Fat:	12%	14.2%
Crude Fiber:	3.5	1.5
Moisture	10	6.5

FD-05-0049-16 Z/D SKIN/FOOD SENSITIVITY PRESCRIPTION DIET

Crude Protein:	28	31.2
Crude Fat:	12%	13.8%
Crude Fiber:	3.5	1.7
Calcium:		0.51
Selenium:		1.29
Moisture	10	6
Arsenic		0.0811
MERCURY		0.511

KAYLOR OF COLORADO

GREELEY

FD-03-0268-16 KAYLOR OF COLORADO SWEET HARVEST PARAKEET FOOD

Crude Protein:	15	12.3	D
Crude Fat:	6%	4.6%	D

LAZY L FARM SERVICE, LLC

CLAYTON

FD-11-0012-16 CHICKEN SCRATCH

Crude Protein:	15.2
Lysine:	0.572
Methionine:	0.267
Crude Fat:	1.6%
Calcium:	3.71
Phosphorous:	0.435
Sodium:	0.136
Salt:	0.49

FD-11-0016-16 GROUND BARLEY

Crude Protein:	13.8
Crude Fat:	2.1%

FD-11-0014-16 SWINE MIX

Crude Protein:	16.5
Lysine:	0.651
Crude Fat:	1.7%
Calcium:	0.288
Phosphorous:	0.61
Sodium:	0.0953
Salt:	0.39
Selenium:	0.282
Zinc:	156

MERRICK PET CARE

AMARILLO

FD-19-0007-16 MERRICK HUNGRY DOG SUPER VALUE PAK

Crude Protein:	63	55.6	D
Crude Fat:	16%	17.3%	

RESPONSIBLE PARTY		CITY		
SAMPLE ID NO.	PRODUCT NAME			
Nutrient	Min	Max	Found	

MID VALLEY MILLING
PROSSER
FD-05-0055-16 COMPLETE LINE GOAT RATION MEDICATED

Crude Protein:	16		15.5	
Calcium:	0.6	1.1	1.29	
Phosphorous:	0.5		0.399	D
Salt:	0.5	1	1.469	D
Selenium:	0.3ppm		0.234ppm	

FD-05-0056-16 PIG GROWER

Crude Protein:	16		13.3	D
Lysine:	0.8		1.24	
Crude Fat:	1.8%		1.9%	
Calcium:	0.75	1.25	0.865	
Phosphorous:	0.5		0.587	
Salt:	0.35	0.85	0.572	
Selenium:	0.15ppm		0.452ppm	D

MILK SPECIAL TIES GLOBAL
NORFOLK
FD-05-0027-16 WHEY

Crude Protein:	2.34		3.06	
Moisture			84.3	

MINI DAK FARMER'S CO-OP
WAHPETON
FD-05-0029-16 BEET MOLASSES

Total Invert Sugar	48%		50.9%	
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NATURAL FARM FEED
SPOKANE
FD-11-0024-16 BROILER FEED

Crude Protein:	20		21.1	
Lysine:	1		1.03	
Methionine:	0.3		0.275	
Crude Fat:	3.2%		3.8%	
Calcium:	0.6	1	0.975	
Phosphorous:	0.5		0.707	
Salt:	0.25	0.75	0.55	

FD-11-0032-16 CAMELINA MEAL

Crude Protein:			32.9	
Crude Fat:			17.7%	
Crude Fiber:			11.2	

FD-11-0030-16 CANOLA MEAL

Crude Protein:			25.1	
Crude Fat:			19.1%	
Crude Fiber:			12.6	

FD-11-0028-16 HOG FEED (GROWER)

Crude Protein:	15		18.5	
Lysine:	0.65		0.797	
Methionine:	0.2		0.23	
Crude Fat:	2.5%		2.9%	
Calcium:	0.8	1	0.64	
Phosphorous:	0.5		0.57	
Salt:	0.3	0.5	0.52	
Selenium:	0.2ppm		0.454ppm	
Zinc:	50ppm		131ppm	

RESPONSIBLE PARTY		CITY		
SAMPLE ID NO.	PRODUCT NAME			
Nutrient	Min	Max	Found	

FD-11-0022-16 LAYER FEED

Crude Protein:	16		17.7
Lysine:	0.8		0.713
Methionine:	0.25		0.243
Crude Fat:	3%		3.8%
Calcium:	3	4	2.98
Phosphorous:	0.6		0.688
Salt:	0.25	0.75	0.5

FD-11-0026-16 SWINE FEED (STARTER)

Crude Protein:	18		20.8
Lysine:	1		0.897
Methionine:	0.25		0.275
Calcium:	0.6	1	0.738
Phosphorous:	0.5		0.778
Salt:	0.25	0.5	0.36
Selenium:	0.2ppm		0.481ppm
Zinc:	80ppm		137ppm

NESTLE PURINA PET CARE COMPANY

ST. LOUIS

FD-19-0009-16 ALPO PRIME CUTS

Crude Protein:	18		20.7
Crude Fat:	8.5%		10.5%
Calcium:	1		1.29
Phosphorous:	0.8		1.18

NUTRENA

MINNEAPOLIS

FD-03-0265-16 GAMEBIRD/TURKEY GROWER 21% PL

Crude Protein:	21		21.2
Lysine:	1		1.07
Methionine:	0.3		0.341
Crude Fat:	3%		4.3%
Calcium:	0.95	1.45	0.922
Phosphorous:	0.8		0.835
Salt:	0.35	0.55	0.39

FD-03-0266-16 LAYER 16% PL

Crude Protein:	16		14.2	D
Lysine:	0.7		0.438	
Methionine:	0.3		0.218	
Crude Fat:	2.5%		9.3%	
Calcium:	3.4	3.95	0.23	D
Phosphorous:	0.45		0.306	D
Sodium:	0.15	0.15	0.437	D

OLD MILL COUNTRY STORE

ELLENSBURG

FD-05-0012-16 COB W/MOLLY

Crude Protein:	9		10.7
Crude Fat:	2.5%		3.5%
Crude Fiber:	8		4.7
Ash	4		2.6

FD-05-0019-16 COB W/O MOLLY

Crude Protein:	9		10.6
Crude Fat:	2.5%		3.4%
Crude Fiber:	8		5.2
Ash	4		2.3

RESPONSIBLE PARTY		CITY		
SAMPLE ID NO.	PRODUCT NAME			
Nutrient	Min	Max	Found	

FD-05-0014-16 HORSE FEED

Crude Protein:	12		14.5	
Crude Fat:	2.5%		3.9%	
Crude Fiber:	8		6.7	
Calcium:	5		13.8	
Phosphorous:	0.39		0.414	
Copper:	5		13.8	
Selenium:	0.3		0.402	
Zinc:	24		73.1	
Ash	5		4.2	

FD-05-0016-16 SPECIAL HOG

Crude Protein:	14		15.1	
Lysine:	0.52		1	
Crude Fat:	1.8%		2.6%	
Calcium:	0.8	1.3	0.701	
Phosphorous:	0.6		0.59	
Salt:	0.45	0.65	0.71	
Selenium:	0.3ppm		0.357ppm	
Zinc:	12.8ppm		150ppm	

PIONEER COMMODITIES LLC

SUNNYSIDE

FD-05-0042-16 DDGS W/SOLUBLES

Crude Protein:	25		27.9	
Crude Fat:	7%		6.6%	
Ash			5.2	

PREMIER MAGNESIA LLC

GABBS

FD-05-0040-16 MAGOX FEED GRADE 100

Manganese:	52		65.2	
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PRINCE AGRI PRODUCTS INC

OMAHA

FD-05-0038-16 DAIRY TRACE MINERAL PACK-S OTM#8390

Calcium:			8.71	
Copper:	1.12		1.27	
Zinc:	13.2		15.1	
Manganese:	9.45		9.7	
Iron			2.42	
Colbalt	21000		2030	
Sulfur			14.1	

PURINA ANIMAL NUTRITION LLC

SPOKANE VALLEY

FD-11-0040-16 ALL-STOCK CRS SWEET FEED

Crude Protein:	12		12.9	
Crude Fat:	2.5%		2.6%	
Calcium:	1	1.5	1.21	
Phosphorous:	0.45		0.417	
Salt:	0.7		0.703	
Potassium:	0.75		0.816	
Copper:	8		5.82	D
Selenium:	0.1		0.22	

RESPONSIBLE PARTY		CITY		
SAMPLE ID NO.	PRODUCT NAME			
Nutrient	Min	Max	Found	

FD-11-0042-16 COUNTRY ACRES SWEET MIX PLUS

Crude Protein:	9		11.9
Crude Fat:	2.5%		3.3%
Calcium:	0.15	0.65	0.565
Phosphorous:	0.2		0.481
Salt:	0.2		0.572
Potassium:	0.5		0.793
Selenium:	0.15		0.322
Zinc:	50ppm		155ppm

FD-03-0279-16 PURINA 4-SQUARE STOCKER/GROWER 14

Crude Protein:	14		14.6
Crude Fat:	2%		3.9%
Calcium:	2	2.25	1.76
Phosphorous:	0.5		0.472
Salt:	1.25	1.75	1.81
Selenium:	0.5ppm		0.378ppm

FD-11-0038-16 PURINA HONOR SHOW CHOW-GOAT FEED

Crude Protein:	16		16.4
Crude Fat:	3%		3.7%
Calcium:	0.65	1.15	0.873
Phosphorous:	0.35		0.39
Salt:	0.75		1.76 D
Copper:	20		25.1
Selenium:	0.55		0.311 D

FD-03-0014-16 PURINA SHEEP RATION

Crude Protein:	14		15
Crude Fat:	2%		3.4%
Calcium:	0.5	1	0.703
Phosphorous:	0.3		0.614
Sodium:	0.69	0.69	0.417 D
Salt:	0.75		1.17
Selenium:	0.5		0.512

FD-11-0044-16 PURINA WELLSOLVE L/S HORSE FEED

Crude Protein:	12		13.9
Lysine:	0.7		0.991
Crude Fat:	5.5%		6%
Calcium:	0.65	1.15	1.22
Phosphorous:	0.5		0.448
Magnesium:	0.5		0.451
Copper:	65ppm		59ppm
Selenium:	0.9ppm		0.453ppm D
Zinc:	220ppm		276ppm

PURINA MILLS INC

RIVERGATE

FD-03-0012-16 PURINA DAIRY SPECIAL B16 COARSE

Crude Protein:	16		15.9
Crude Fat:	2%		3.9%
Calcium:	0.4	0.9	5.28
Phosphorous:	0.45		0.699
Selenium:	1		0.464 D

RESPONSIBLE PARTY		CITY		
SAMPLE ID NO.	PRODUCT NAME			
Nutrient	Min	Max	Found	

FD-05-0033-16 PURINA LAYENA PELLET

Crude Protein:	16		17.4	
Lysine:	0.7		0.748	
Methionine:	0.3		0.274	
Crude Fat:	2.5%		3.3%	
Calcium:	3.25	4.25	3.72	
Phosphorous:	0.45		0.644	
Salt:	0.3	0.8	0.55	
Magnesium:	100ppm		0.284ppm	
Selenium:	0.65ppm		0.426ppm	D

FD-03-0275-16 PURINA SHEEP RATION

Crude Protein:	14		13.9	
Crude Fat:	2%		3.1%	
Calcium:	0.5	1	0.792	
Phosphorous:	0.3		0.566	
Sodium:	0.75	0.75	0.379	D
Selenium:	0.6ppm		0.567ppm	

FD-05-0032-16 PURINA START & GROW MO 0.0125% MEDICATED

Crude Protein:	18		18.3	
Lysine:	0.9		0.793	
Methionine:	0.34		0.316	
Crude Fat:	3%		3.6%	
Calcium:	0.75	1.25	0.924	
Phosphorous:	0.55		0.682	
Salt:	0.25	0.75	0.55	
Selenium:	0.5ppm		0.425ppm	
Manganese:	55ppm		90.6ppm	

QUALITY LIQUID FEEDS

GRANGER

FD-05-0068-16 GRN HEIF 20

Crude Protein:	20		20.9	
Calcium:	0.4	0.9	0.434	
Total Invert Sugar	30		24.6	
Moisture	46		47.3	

FD-05-0069-16 WA BLEND 63

Crude Protein:	4		4.1	
Phosphorous:	0.4		0.424	
Total Invert Sugar	41		60.4	
Moisture	37		37.3	

REG MASON CITY LLC

MASON CITY

FD-05-0028-16 GLYCERIN

Salt:	8		5.3	
Moisture	12		26.7	D
Ash	6.2		5.7	
Methanol	0.5		0.0188	
Glycine	80.1		74	

ROGERS FOODS LTD

CHILLIWACK

FD-05-0026-16 FEED MOLASSES CANE SYRUP REMELT

Invert Sugar	14.29		58.1	
Ash	4		11.7	D
Moisture	29.11		27.3	

RESPONSIBLE PARTY		CITY		
SAMPLE ID NO.	PRODUCT NAME			
Nutrient	Min	Max	Found	

SCRATCH AND PECK
BELLINGHAM
FD-19-0044-16 ORGANIC WHOLE PEAS

Crude Protein:	20		21
Crude Fat:	3%		1.3% D

FD-19-0058-16 PIG GROWER

Crude Protein:	16		16.7
Lysine:	0.8		0.826
Crude Fat:	3%		3.4%
Calcium:		0.5	0.903
Phosphorous:	0.5		0.848
Salt:	0.2	0.4	0.46
Selenium:	0.15		0.508
Zinc:	90		145

FD-03-0245-16 SCRATCH AND PECK GOAT FEED

Crude Protein:	15		14.7
Crude Fat:	3.5%		5.1%
Calcium:	1.5	2	1.82
Phosphorous:	0.7		0.824
Sodium:	0.85	0.85	0.376 D

SOUTH DAKOTA SOYBEAN PROCESSORS INC
VOLGA
FD-05-0046-16 SOYBEAN MEAL 46 & SOLVENT EXTRACTED

Crude Protein:	46		46.8
Crude Fat:	1.5%		1.2%
Moisture	12.5		9.77

TRACTOR SUPPLY COMPANY
BRENTWOOD
FD-19-0066-16 DUMOR GOAT FEED

Crude Protein:	16		16
Crude Fat:	2%		2%
Calcium:	0.75	1.25	0.949
Phosphorous:	0.35		0.0734
Sodium:			0.197
Salt:	0.25	0.75	1.13 D
Copper:	20	25	22.2
Selenium:	0.65		0.804

VITA STRESS INC
PUYALLUP
FD-03-0241-16 VITA STRESS HOOF HEALTH

Crude Protein:	30		30.6
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FD-03-0243-16 VITA STRESS HOOF HEALTH

Crude Protein:	20		22.2
Zinc:	800ppm		1140ppm

WET NOSES NATURAL DOG TREAT CO. INC
MONROE
FD-19-0027-16 DOGGIE DELIRIOUS GRAIN FREE PEANUT BUTTER

Crude Protein:	11		19.2
Crude Fat:	4%		10.2%

FD-19-0028-16 POCKET PONY APPLE AND CARROTS

Crude Protein:	8		12.1
Crude Fat:	10%		9.3%

FD-19-0029-16 WET NOSES STRAWBERRY BANANA BISCOTTI

Crude Protein:	8		9.7
Crude Fiber:	9		10.4

RESPONSIBLE PARTY		CITY		
SAMPLE ID NO.	PRODUCT NAME			
Nutrient	Min	Max	Found	

ZAKARISON PARTNERSHIP
PULLMAN
FD-11-0018-16 POULTRY LAYER MIX

Crude Protein:		15.9
Methionine:		0.279
Crude Fat:		2.5%
Crude Fiber:		3.9
Calcium:		0.659
Phosphorous:		0.567
Sodium:		0.075
Salt:		0.4

FD-11-0020-16 WHEAT/BARLEY/PEA MIX

Crude Protein:		15.1
Crude Fat:		1.8%
Crude Fiber:		3.4

ZINPRO CORPORATION
EDEN PRAIRIE
FD-05-0036-16 AVAILA 4

Copper:	1.8	2.09
Zinc:	5.15	6.26
Manganese:	2.86	3.15
COLBALT	1800ppm	2580ppm