

Guarantor	Product Name	Analysis	Units	Guarantee	Samples: Found	Examined	Passed	Failed
ADM ALLIANCE NUTRITION INC-QUINCY-IL						1	0	1
		--Violative Samples/Failed Component--						
	BEEF BALANCER 50/35 CATTLE	Vit A	IU/#	80000.00	29098.00			
ADM ANIMAL NUTRITION -QUINCY-IL						34	31	3
		--Violative Samples/Failed Component--						
	AMPT T EF BREEDER	Vit A	PPM	200000.00	100863.00			
	MASTER GRAIN 20L4 BEEF MINERAL	Cu	PPM	1200.	331.			
	MAX LEAN GF 60 AAP	P	%	1.50	1.30			
AG PLUS INC-SIGOURNEY-IA						4	2	2
		--Violative Samples/Failed Component--						
	AG PLUS BALANCER 20 R650	K	%	0.7	0.74			
		NPN	PPM	11.60	0.00			
		Vit A	IU/#	77680.00	19960.00			
		Prot	%	20.00	19.70			
		Mon	G/T	650.00	608.00			
		Ca	%	11.80- 14.10	13.10			
	AG PLUS BALANCER 20M.6B650	Ca	%	11.80- 14.10	12.20			
		Las	PPM	650.00	588.00			
		Vit A	PPM	77680.00	21579.00			
		Prot	%	20.00	20.40			
		NPN	PPM	11.60	0.00			
		K	%	0.7	0.78			
AGRI-KING NUTRITION INC-FULTON-IL						2	2	0
AMERICA FAMILY FARMS-WAVERLY-NE						2	1	1
		--Violative Samples/Failed Component--						
	SMOOTH START 10-15 TIC COMPLET	Ca	%	0.70- 1.20	1.70			
BIG GAIN INC-MANKATO-MN						14	10	4
		--Violative Samples/Failed Component--						
	40-22 CATTLE CONCENTRATE QP	Vit A	IU/#	40000.00	15232.00			
		Ca	%	9.00- 11.00	8.20			
	CATTLE MINERAL	Cu	PPM	2500.	1750.			
		Vit A	IU/#	400000.00	266045.00			
		Ca	%	17.00- 19.00	16.10			
		ZN	PPM	5600.	5796.			
		P	%	8.00	8.30			
		Mg	%	1.00	1.00			
	CATTLE MINERAL B-2800 MINERAL	Cu	PPM	2500.	1767.			
		Las	G/T	2800.00	2348.00			
		P	%	7.70	7.50			
		ZN	PPM	5600.	5682.			
		Mg	%	1.20	1.10			
		Ca	%	17.00- 19.00	16.00			
		Vit A	IU/#	400000.00	236159.00			
	CATTLEMAN'S 32% R350 CATTLE	Mg	%	0.50	0.48			
		Ca	%	4.50- 5.50	4.80			
		Prot	%	32.00	32.60			
		Vit A	IU/#	50000.00	18637.00			
		K	%	1.6	1.6			
		Mon	G/T	350.00	348.00			
		P	%	1.00	0.96			
BIG HEART PET BRAND-SAN FRANCISCO-CA						1	1	0
BIG HEART PET BRANDS-SAN FRANCISCO -CA						1	1	0
BIG HEART PET BRANDS-SAN FRANCISCO-CA						9	9	0
BIG HEARTS PET BRANDS-SAN FRANCISCO-CA						1	1	0
BIG HEARTS PET BRANDS-SAN FRANSICO -CA						1	1	0
BIG RIVER RESOURCES WEST BURLINGTON LLC-WEST BURLINGTON-IA						2	2	0
C & C LIVESTOCK-WIOTA-IA						2	2	0
CARGILL ANIMAL NUTRITION-MINNEAPOLIS-MN						1	1	0
CASTOR & POLLUX NATURAL PETWORKS-AMARILLO-TX						1	1	0

Guarantor Product Name	Analysis	Units	Guarantee	Samples: Found	Examined	Passed	Failed
CENTRAL PLAINS MILLING-PRESCOTT-IA					1	1	0
CONSUMERS SUPPLY DIST CO-SIOUX CITY-IA					1	0	1
	--Violative Samples/Failed Component--						
CONSUMERS SUPPLY 10X PELLETS	Prot	%	14.00	13.00			
CONSUMERS SUPPLY DISTRIBUTING COMPANY-NORTH SIOUX CITY-SD					1	1	0
COUNTRY ACRES FEED COMPANY-BRENTWOOD -MO					1	1	0
COUNTRY ACRES FEED COMPANY-BRENTWOOD-MO					3	3	0
COUNTRY ACRES FEED COMPANY-ST LOUIS-MO					1	1	0
DAD'S PET CARE-MEADVILLE-PA					1	1	0
DFS INC-NEWELL-IA					2	2	0
DIAMOND PET FOODS-META-MO					1	1	0
DOG FOR DOG-SANTA MONICA -CA					1	1	0
DOGENCORP LLC-GOODLETTSVILLE, -TN					1	1	0
DOLGEN CORP LLC-GOODLETTSVILLE-TN					1	1	0
DOLGEN CORP LLC-GOODLETTSVILL-TN					1	1	0
DOLGENCORP LLC-GOODLETTSVILLE-TN					4	4	0
ELDON C STUTSMAN INC-HILLS-IA					1	1	0
FARM SERVICE COOPERATIVE-DENISON-IA					1	1	0
FARM SERVICE COOPERATIVE-HARLAN-IA					16	11	5
	--Violative Samples/Failed Component--						
12-12-12 MINERAL	K	PPM	0.1	0.26			
	ZN	PPM	9450.	9144.			
	Cu	PPM	2200.	1357.			
	P	%	12.00	8.90			
	Vit A	IU/#	375000.00	222319.00			
	Ca	%	14.30- 17.10	13.70			
8% PHOSPHORUS	Cu	PPM	1750.	1241.			
DDGS & SYRUP MINERAL RUMINANT	Cu	PPM	2000.	1026.			
GLUTEN BALANCER R1200 THIAMINE	Ca	%	26.10- 31.10	28.00			
	ZN	PPM	1500.	955.			
	Cu	PPM	350.	240.			
	Vit A	IU/#	200000.00	124566.00			
	Mon	G/T	1200.00	1170.00			
HI MAS MINERAL CI MEDICATED	Cu	PPM	600.	336.			
	ZN	PPM	2500.	2387.			
	Mg	%	15.00	12.40			
	CTC	G/T	2100.0	1823.0			
	Vit A	IU/#	120000.00	105767.00			
	Ca	%	6.60- 7.90	6.30			
	P	%	5.50	5.30			
	K	PPM	0.1	0.43			
FARM SERVICE CO-OP-HARLAN-IA					1	1	0
FARMERS COOP SOCIETY-SIOUX CENTER-IA					2	2	0
FARMERS COOPERATIVE CO-AFTON-IA					3	2	1
	--Violative Samples/Failed Component--						
CATTLEMAKER 38% B 400	Cu	PPM	350.	229.			
FARMERS COOPERATIVE ELEVATOR-ARCADIA-IA					6	6	0
FEED AND GRAIN STORE-DEWITT-IA					1	1	0
FEEDERS GRAIN & SUPPLY-CORNING-IA					2	2	0
FIRST COOPERATIVE ASSOCIATION-CHEROKEE-IA					1	1	0

Guarantor Product Name	Analysis	Units	Guarantee	Samples: Found	Examined	Passed	Failed
FRONTIER FEEDS CO-MONTICELLO-IA					2	2	0
GOLDEN LYK COMPANY (THE)-MANKATO-MN					11	11	0
HILLS PET NUTRITION-TOPEKA-KS					1	1	0
HUBBARD FEEDS INC-MANKATO-MN					22	16	6
	--Violative Samples/Failed Component--						
36 BEEF	Ca	%	2.20- 2.70	2.10			
	Vit A	IU/#	66000.00	40885.00			
	Prot	%	36.00	37.90			
	P	%	1.10	1.10			
37% SHEEP SUPPLEMENT B150	Prot	%	37.00	19.10			
40-20 BEEF 500	K	%	1.5	1.3			
	Prot	%	4.00	3.90			
	P	%	1.00	0.91			
	Ca	%	5.50- 6.60	5.30			
	Vit A	IU/#	50000.00	27063.00			
	Las	G/T	500.00	426.00			
	NPN	PPM	20.00	0.00			
GAIN PLSU 16% B68 AUREO 200	Las	G/T	68.00	42.00			
STOCKMASTER FESCUE MINERAL C28	Vit A	IU/#	200000.00	111291.00			
	CTC	G/T	2800.0	2744.0			
	ZN	PPM	6000.	7780.			
	Mg	%	0.70	0.93			
	K	PPM	0.1	0.32			
	Ca	%	14.10- 16.90	14.20			
	P	%	8.00	7.50			
	Cu	PPM	1500.	1184.			
STOCKMASTER SWEET PHOS 8 C2800	ZN	PPM	4000.	3530.			
	P	%	8.00	7.80			
	Vit A	IU/#	200000.00	108352.00			
	Ca	%	14.10- 16.90	15.70			
	Cu	%PPM	1000.	799.			
	Mg	%	0.70	0.83			
	CTC	G/T	2800.0	2456.0			
	K	PPM	0.1	0.18			
HUBBARD FEEDS-MANKATO-MN					2	2	0
HY VEE INC-CARROLL-IA					1	1	0
HY VEE INC-WEST DES MOINES-IA					1	1	0
HY VEE-BOONE-IA					1	1	0
HYVEE INC-WEST DES MOINES-IA					1	1	0
INNOVATIVE AG SERVICES CO-MONTICELLO-IA					3	2	1
	--Violative Samples/Failed Component--						
CO PRODUCT FORM WATER RI500	Cu	PPM	625.	419.			
	Co	%	18.00	7.60			
INTERNATIONAL PET SUPPLIES & DISTRIBUTION INC-SAN DIEGO-CA					1	1	0
KELLY FOODS CORPORATION-BERLIN-MD					1	1	0
KENS FEED STORE INC-SUTHERLAND-IA					2	1	1
	--Violative Samples/Failed Component--						
KENS PASTURE MINERAL	Mg	%	0.93	0.38			
	K	%	0.6	0.27			
	P	%	9.30	7.80			
KENT NUTRITION GROUP INC-MUSCATINE-IA					76	67	9
	--Violative Samples/Failed Component--						
2 & 1 MINERAL PLUS	Cu	PPM	270.	400.			
	ZN	PPM	3550.	3915.			
	P	%	10.00	9.10			
	Ca	%	18.50- 22.00	19.90			
	Vit A	IU/#	55570.00	69697.00			
34% BABY BEEF 400R	Co	%	2.00	1.40			
CO-PRODUCT BALANCER PELLET 667	K	PPM	0.1	0.45			
	Mon	G/T	667.00	650.00			
	Vit A	IU/#	90000.00	36900.00			

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		Prot	%	5.00	7.80			
		Ca	%	14.00- 16.80	14.00			
		P	%	0.30	0.35			
FESCUE PASTURE CTC FRAMEWORK		P	%	7.50	6.40			
FRAMEWORK 265 MINERAL FESCUE C		Ca	%	14.40- 17.20	13.90			
		K	PPM	0.15	0.25			
		P	%	7.50	6.90			
		Mn	%PPM	4950.0	5221.0			
		ZN	PPM	4750.	4900.			
		Vit A	IU/#	400000.00	250089.00			
		CTC	G/T	5600.0	5365.0			
		Cu	PPM	1450.	1198.			
		Mg	%	0.50	0.37			
FRAMEWORK 365 MINERAL MG MINE		CTC	G/T	3200.0	2922.0			
		P	%	3.75	3.90			
		ZN	PPM	4750.	4372.			
		Mg	%	12.00	10.60			
		Ca	%	7.20- 8.60	7.60			
		Mn	PPM	4950.0	4758.0			
		Cu	PPM	1450.	1020.			
		Vit A	IU/#	237500.00	222233.00			
FRAMEWORK 365 MINERAL AOE		Mg	%	0.50	0.54			
		Mn	PPM	4950.0	4479.0			
		ZN	PPM	4750.	4379.			
		K	PPM	0.15	0.3			
		Cu	PPM	1450.	919.			
		Vit A	IU/#	380000.00	388691.00			
		P	%	7.50	7.50			
		Ca	%	15.30- 18.30	14.90			
FRAMEWORK 365 MINERAL APE		Vit A	PPM	380000.00	252405.00			
		Cu	PPM	1450.	928.			
NRB 40-25 300R 90T CUB MEDICAT		Mg	%	0.40	0.28			
KERBER MILLING COMPANY-EMMETSBURG-IA						11	9	2
		--Violative Samples/Failed Component--						
10 LB GROWER SWINE ADD PAK		Cu	PPM	23000.	17460.			
		Vit A	IU/#	200000.00	119403.00			
		ZN	PPM	12500.	11543.			
		Ca	%	12.00- 14.40	11.60			
JR FARMS FINISHER BALANCER		Ca	%	23.00- 27.60	19.40			
KMART CORPORATION-HOFFMAN ESTATES-IL						2	2	0
KNS INC-LAWRENCEBURG-KY						1	0	1
		--Violative Samples/Failed Component--						
BEEF & DAIRY AAC MINERAL		Vit A	IU/#	405000.00	225125.00			
		Cu	IU	1900.	1380.			
		Mg	%	5.50	4.00			
LAND O LAKES ANIMAL MILK PRODUCTS COMPANY-SHOREVIEW-MN						7	6	1
		--Violative Samples/Failed Component--						
CO PRODUCT BALANCER R700		K	%	1.0	0.62			
LANDUS COOPERATIVE-AMES-IA						1	0	1
		--Violative Samples/Failed Component--						
FC STOCKMAKER 6 CATTLE MINERAL		Vit A	IU/#	140000.00	85768.00			
		Cu	PPM	780.	511.			
		P	%	6.00	5.80			
		ZN	PPM	3340.	2574.			
		Mg	%	1.40	1.30			
		Ca	%	17.10- 20.50	17.20			
M F A INC-COLUMBIA-MO						3	3	0
MAQUOKETA FEEDS-MAQUOKETA-IA						2	2	0
MARS PETCARE COMPANY-FRANKLIN-TN						3	3	0
MARS PETCARE US-MOUNTAIN HOME-AR						2	2	0
MARS PETCARE-FRANKLIN-TN						2	2	0
MARS PETCASE-FRANKLIN-TN						1	1	0

Guarantor Product Name	Analysis	Units	Guarantee	Samples: Found	Examined	Passed	Failed
MENARD INC-EAU CLAIRE-WI					1	1	0
MID STATE ILLING INC-STATE CENTER-IA					1	0	1
EARLY GAIN PELLETT DEN/CTC	--Violative Prot	Samples/Failed %	Component-- 22.00	20.00			
MID STATES MILLING INC-STATE CENTER-IA					1	1	0
MILLS FLEET FARM-MASON CITY -IA					1	1	0
MILLS FLEET FARM-MASON CITY-IA					2	2	0
NELSONS VET SUPPLY INC-STORM LAKE-IA					2	1	1
SUPER EWE PREMIX	--Violative Vit A Ca P	Samples/Failed IU/# % %	Component-- 300000.00 22.00- 24.00 10.00	225704.00 19.50 9.30			
NESTLE PURINA PET CARE CO-ST LOUIS -MO					1	1	0
NESTLE PURINA PET CARE-ST LOUIS-MO					4	4	0
NESTLE PURINA PETCARE COMPANY-ST LOUIS-MO					6	6	0
NESTLE PURINA PETCARE COMPANY-ST. LOUIS -MO					1	1	0
NESTLE PURINA PETCARE COMPANY-ST. LOUIS-MO					1	1	0
NEW VISION COOP-WORTHINGTON -MN					1	1	0
NUTRA BLEND LLC-NEOSHO-MO					1	1	0
NUTRENA-MINNEAPOLIS-MN					3	3	0
NUTRO COMPANY (THE)-MOUNTAIN HOME-AR					1	1	0
NUTRO PRODUCTS INC-FRANKLIN -TN					1	1	0
PET CO-CLIVE-IA					1	1	0
PET MART -CLIVE-IA					1	1	0
PET SMART-WATERLOO-IA					1	1	0
PETCO #1642-MASON CITY-IA					4	4	0
PETCO-WEST DES MOINES-IA					1	1	0
PMI NUTRITION-SHOREVIEW -MN					1	1	0
PROVIMI NORTH AMERICA INC-BROOKVILLE-OH					5	4	1
VIGORTONE 3V6 SCTC-1GR MINERAL	--Violative CTC Cu P Mg ZN Ca Vit A	Samples/Failed G/T PPM % % PPM % IU/#	Component-- 2800.0 1000. 3.00 1.00 3750. 18.60- 22.30 300000.00	2609.0 640. 2.90 1.10 2835. 17.80 244536.00			
PURINA ANIMAL NUTRITION LLC-MASON CITY-IA					1	1	0
PURINA ANIMAL NUTRITION LLC-SHOREVIEW-MN					79	71	8
DAIRY MICRO PREMIX	--Violative P Cu ZN Mg K Vit A Ca	Samples/Failed % PPM % % PPM IU/#	Component-- 0.25 5830. 2.6 10.00 0.25 1200000.00 4.50- 5.50	0.43 3400. 1.98 7.30 0.59 716299.00 5.30			
LEAN GAIN PREMIX	Mn ZN Vit A	PPM PPM PPM	1110.0 3050. 107602.00	784.0 2188. 65858.00			

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PURINA	ACCURATION GROWER	Ca	%	3.00- 4.00	2.40			
PURINA	RANGELAND CALF CREEP 14	Ca	%	0.50- 1.00	1.60			
PURINA	WIND & RAIN STORM	Mg	%	1.00	0.71			
STEAKMAKER	FORMULATOR R1200	Mon	G/T	1200.00	1156.00			
		Vit A	IU/#	80000.00	53072.00			
		K	PPM	0.1	0.12			
		Mg	%	1.00	0.66			
		Ca	%	25.50- 30.50	25.50			
		Cu	PPM	400.	240.			
		ZN	PPM	1400.	1124.			
		P	%	1.50	1.40			
WIND & RAIN STORM	ALL SEASON 2	Cu	PPM	1200.	805.			
WIND & RAIN STORM-ALL	SEASON 1	K	%	1.0	0.97			
		Mn	PPM	3600.0	2857.0			
		CTC	G/T	5600.0	5378.0			
		ZN	PPM	3600.	2742.			
		Cu	PPM	1200.	698.			
		Ca	%	12.80- 12.96	12.40			
		Co	%	12.00	13.10			
		Mg	%	0.50	0.43			
		Vit A	IU/#	150000.00	115728.00			
		P	%	10.00	9.70			
PURINA ANIMAL NUTRITION LLC-ST PAUL-MN						12	8	4
		--Violative Samples/Failed Component--						
STEAKMAKER BP BALANCER25	B750	K	PPM	0.1	0.61			
		Ca	%	13.05- 13.66	13.00			
		Vit A	IU/#	80000.00	34386.00			
		Prot	%	25.00	26.30			
		Las	G/T	750.00	658.00			
		NPN	PPM	16.00	0.00			
STEAKMAKER FINISHER 50-25	B500	Las	G/T	500.00	498.00			
		Ca	%	6.75- 8.10	7.50			
		NPN	PPM	25.00	0.00			
		Prot	%	50.00	49.70			
		P	%	0.50	0.57			
		Vit A	IU/#	40000.00	23751.00			
		K	%	1.0	1.1			
WIND & RAIN STORM		Cu	PPM	1200.	771.			
WIND & RAIN STORM - ALL SEASON		K	%	1.0	1.1			
		Mg	%	1.00	1.20			
		Cu	PPM	1200.	762.			
		Co	%	12.00	13.50			
		ZN	PPM	3600.	3073.			
		Mn	PPM	3600.0	5110.0			
		Ca	%	11.70- 14.04	12.90			
		Vit A	IU/#	150000.00	37436.00			
		P	%	12.00	12.50			
RALCO NUTRITION INC-MARSHALL-MN						3	3	0
SIMMONS PET FOOD INC-DECATUR-AR						1	1	0
SIMMONS PET FOOD INC-DECATUR-IA						1	1	0
SPENCER AG CENTER-SPENCER-IA						5	4	1
		--Violative Samples/Failed Component--						
14% CALF CREEP		Ca	%	7.50- 9.50	1.80			
ST ANSGAR MILLS-ST ANSGAR-IA						2	0	2
		--Violative Samples/Failed Component--						
OLD MILL 16% HOG TYL 40	G/TON	Tyl	G/T	40.0	40.0			
		ZN	PPM	90.	111.			
		Prot	%	16.00	1.40			
		P	%	0.65	0.85			
		Ca	%	0.70- 1.20	1.20			
PRO K STARTER TYL 40	G/T	Ca	%	0.75- 1.25	1.00			
		Prot	%	18.00	18.90			
		P	%	0.52	0.55			
		Tyl	G/T	40.0	55.0			
STANDARD NUTRITION SERV LLC-OMAHA-NE						16	15	1
		--Violative Samples/Failed Component--						
DAIRY MIN- VITE 1X1		Vit A	PPM	285000.00	175599.00			

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SUNSHINE PET TREATS INC-RED BAY-AL					1	1	0
TASTE OF THE WILD-META-MO					1	1	0
TRACTOR SUPPLY CO-ANKENY-IA					1	1	0
TRACTOR SUPPLY COMPANY-BRENTWOOD-TN					1	1	0
TRIANGLE AGRI SERV CORP-MONTICELLO-IA					5	3	2
	--Violative Samples/Failed Component--						
BEEF MINERAL CTC/ALTOSID MINER	Mg	%	1.40	1.00			
	Mn	PPM	4000.0	3209.0			
	P	%	6.50	6.20			
	Ca	%	14.30- 17.70	16.70			
	Cu	PPM	2300.	1654.			
	Vit A	IU/#	400000.00	219918.00			
	ZN	PPM	12000.	9506.			
GROWER - FINISHER/TYLAN SWINE/	P	%	0.45	0.46			
	Prot	%	16.00	16.00			
	Tyl	G/T	40.0	45.0			
	Ca	%	0.50- 0.60	0.93			
TRIANGLE AGRI SERVICES CORPORATION-MONTICELLO-IA					1	1	0
TUFFYS PET FOODS INC-PERHAM-MN					1	1	0
UNITED PET GROUP INC -BLACKSBURG-VA					1	1	0
VARIETY PET FOODS-ENGLEWOOD-CO					1	1	0
WALMART STORES INC.-BENTONVILLE-AR					1	1	0
WALMART STORES INC.-GLEN BURNIE-MD					5	5	0
WALMART STORES INC-BENTONVILLE-AR					1	1	0
WALMART STORES INC-BETONVILLE-AR					1	1	0
WALMART STORES INC-MEADVILLE-PA					6	6	0
WALMART-ANKENY-IA					1	1	0
WALMART-BOONE-IA					1	1	0
WAL-MART-DENISON-IA					1	1	0
WAPSIE VALLEY CREAMERY-INDEPENDENCE-IA					1	1	0
WATERLOO MILLS COMPANY-WATERLOO-IA					20	16	4
	--Violative Samples/Failed Component--						
34% BEEF BUILDER	Cu	PPM	310.	228.			
40% BEEF BUILDER MONENSIN 400	NPN	PPM	20.00	0.00			
	Ca	%	6.60- 7.90	6.70			
	Vit A	IU/#	40000.00	14041.00			
	Mon	G/T	400.00	400.00			
	P	%	1.00	1.00			
	Prot	%	39.80	41.40			
	ZN	PPM	920.	779.			
	Mg	%	0.40	0.36			
	K	%	0.8	0.88			
GLUTEN BALANCER PELLETT MB 800	Las	PPM	800.00	419.00			
	Vit A	PPM	80000.00	6193.00			
GLUTEN BALANCER PELLETT MB800	Cu	PPM	800.	511.			
	Las	G/T	800.00	402.00			
	Ca	%	15.90- 19.00	15.50			
	ZN	PPM	2500.	1852.			
	Vit A	IU/#	80000.00	13244.00			
WEST CENTRAL COOPERATIVE-RALSTON-IA					1	1	0

Year: 2016

Feed Analysis Book

Guarantor					Samples:	Examined	Passed	Failed
Product Name	Analysis	Units	Guarantee	Found				

Records Examined: 504