

Animal Feed Scheme
Cattle Mineral
Sample # 201698
Analyte Summary Report
Analytes Reported: 76
Labs Reporting: 161
Issue Date : 09/30/2016

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value - Robust Mean	AAFCO PT fp - Robust sd	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD
000	Urea (%)	1	1	0.10000							
001	Loss on Drying (%)	34	32	2.0845	0.32131	2.0380	0.22163	0.04897	10.87%	0.05914	3.59%
002	Protein (%)	51	49	2.0273	1.5872	1.7297	0.30677	0.05478	17.74%	0.07564	3.68%
003	Fat (%)	36	34	0.96573	0.39781	0.89309	0.22255	0.04771	24.92%	0.06164	4.07%
004	Fiber (%)	22	20	3.1746	0.55121	3.1400	0.52183	0.14585	16.62%	0.10256	3.37%
005	Ash (%)	58	56	75.283	9.2736	76.608	0.88864	0.14844	1.16%	0.24478	1.14%
006	Total sugars (%)	2	2	4.1075	0.29345						
008	Fiber (%)	14	12	3.6178	0.56541	3.6366	0.53890	0.19446	14.82%	0.25137	3.29%
009	Fiber (%)	13	11	6.0765	2.6403	5.6777	1.9962	0.75236	35.16%	0.30312	3.08%
010	Moisture (%)	9	8	2.2214	0.52862	2.1930	0.53317	0.23563	24.31%	0.20440	3.55%
011	Loss on Drying (%)	36	35	3.1125	0.53291	3.1966	0.35525	0.07506	11.11%	0.10447	3.36%
012	Starch (%)	11	9	0.70261	0.49204	0.70041	0.55316	0.23048	78.98%	0.10433	4.22%
013	Fat (%)	17	16	1.7696	0.87603	1.7725	0.98738	0.30856	55.71%	0.12147	3.67%
015	Aluminum (mg / kg (ppm))	9	9	1,504.9	137.39	1,493.9	129.39	53.911	8.66%	23.331	5.32%
017	Boron (mg / kg (ppm))	9	8	11.828	7.0568	10.631	4.8622	2.1488	45.74%	0.77220	11.21%
019	Calcium (%)	137	136	17.569	2.8680	17.899	1.0927	0.11712	6.10%	0.33755	2.36%
021	Cobalt (mg / kg (ppm))	24	23	22.567	7.9524	22.771	5.3163	1.3856	23.35%	0.99388	9.99%
022	Copper (mg / kg (ppm))	104	102	1,270.7	114.64	1,273.9	96.120	11.897	7.55%	26.127	5.45%
023	Fluorine (mg / kg (ppm))	1	1	244.40							
024	Iodine (mg / kg (ppm))	1	1	33.800							
025	Iron (mg / kg (ppm))	85	83	5,490.4	1,043.8	5,604.8	540.02	74.094	9.63%	118.98	4.36%
027	Magnesium (%)	103	102	1.2214	0.10923	1.2230	0.08694	0.01076	7.11%	0.03334	3.88%
028	Manganese (mg / kg (ppm))	89	87	1,789.7	395.55	1,835.3	154.58	20.716	8.42%	36.431	5.16%
031	Phosphorus (%)	134	129	3.0413	0.44478	3.0845	0.20784	0.02287	6.74%	0.05808	3.38%
032	Potassium (%)	87	85	0.56540	0.29706	0.52091	0.07936	0.01076	15.23%	0.02273	4.41%
033	Salt as chloride (%)	58	57	23.271	3.6142	23.873	1.0248	0.16968	4.29%	0.26841	2.05%
034	Selenium (mg / kg (ppm))	19	19	21.554	8.2192	23.394	4.5451	1.3034	19.43%	1.2890	9.95%
035	Sodium (%)	87	86	9.1009	1.2216	9.2241	0.60157	0.08109	6.52%	0.20825	2.86%
036	Sulfur (%)	40	39	0.61321	0.13216	0.59085	0.07223	0.01446	12.22%	0.02164	4.33%
037	Zinc (mg / kg (ppm))	103	100	2,455.4	469.25	2,520.0	203.13	25.391	8.06%	56.570	4.92%

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038	Molybdenum (mg / kg (ppm))	10	10	3.1002	0.92415	3.1371	0.96337	0.38081	30.71%	0.21503	13.47%
040	Barium (mg / kg (ppm))	3	3	12.718	1.0002	13.148	0.94342	0.54468	7.18%	0.46103	10.86%
042	Chloride (%)	6	6	14.645	1.1104	14.720	1.0813	0.55182	7.35%	0.29667	2.61%
051	Chlortetracycline (mg / kg (ppm))	19	18	387.21	77.741	385.45	84.012	24.752	21.80%	21.668	6.53%
073	Oxytetracycline (mg / kg (ppm))	1	1	10.000							
095	Methoprene (mg/kg (ppm))	2	2	33.403	40.839						
101	Choline Chloride (mg / kg (ppm))	2	1	59.950							
102	Niacin (mg / kg (ppm))	2	2	6.9625	4.3098						
103	Pantothenic Acid (mg / kg (ppm))	1	1	3.1200							
104	Riboflavin (mg / kg (ppm))	1	1	1.1450							
105	Thiamine (mg / kg (ppm))	1	1	0.17000							
106	Vitamin A (KU / kg)	23	22	87.171	18.660	85.800	15.766	4.2017	18.38%	5.6749	
107	Vitamin B12 (µg / kg (ppb))	1	1	9.6100							
108	Vitamin D3 (KU / kg)	7	7	7.4886	1.6142	7.5870	1.5985	0.75522	21.07%	1.0629	
109	Vitamin E (IU/kg)	18	17	195.57	37.752	192.81	30.997	9.3973	16.08%	12.088	
111	Vitamin C, phosphorylated (mg / kg (ppm))	1	1	20.700							
112	Pyridoxine (µg / g)	1	1	0.92500							
113	Folic Acid (mg / kg (ppm))	1	1	0.10700							
114	Biotin (mg / kg (ppm))	1	1	0.07725							
120	Alanine (%)	3	3	0.06470	0.00191	0.06580	0.00021	0.00012	0.32%	0.00120	6.02%
121	Arginine (%)	3	3	0.04892	0.00108	0.04892	0.00108	0.00062	2.20%	0.00150	6.30%
122	Aspartic (%)	3	3	0.17948	0.00661	0.17948	0.00661	0.00382	3.68%	0.00537	5.18%
124	Cysteine/Cystine (%)	3	2	0.01668	0.00308					0.00165	
125	Glutamic (%)	3	3	0.15245	0.00251	0.15380				0.00237	5.30%
126	Glycine (%)	3	3	0.07677	0.00294	0.07677	0.00294	0.00170	3.83%	0.00193	5.89%
127	Histidine (%)	3	3	0.02312	0.01200	0.02312	0.01200	0.00693	51.91%	0.00043	7.05%
128	Isoleucine (%)	3	3	0.03883	0.00257	0.03883	0.00257	0.00148	6.61%	0.00093	6.52%
129	Leucine (%)	3	3	0.06778	0.00566	0.06778	0.00566	0.00327	8.35%	0.00123	6.00%
130	L-Lysine (%)	3	3	0.03280	0.01701	0.03280	0.01701	0.00982	51.87%	0.00187	6.69%
131	Methionine (%)	2	1	0.01015							
132	Phenylalanine (%)	3	3	0.04712	0.02119	0.04712	0.02119	0.01223	44.98%	0.00177	6.33%
133	Proline (%)	3	3	0.05712	0.00688	0.05712	0.00688	0.00397	12.04%	0.00677	6.15%
134	Serine (%)	3	3	0.05733	0.00499	0.06018	0.00117	0.00067	1.94%	0.00073	6.11%
135	Threonine (%)	3	3	0.03520	0.00599	0.03520	0.00599	0.00346	17.01%	0.00113	6.62%
136	Tryptophan (%)	2	1	0.00915							
137	Tyrosine (%)	3	2	0.05408	0.00930					0.00315	
138	Valine (%)	3	3	0.04023	0.02175	0.04023	0.02175	0.01256	54.06%	0.00207	6.49%
160	Fructose (%)	2	2	0.17175	0.03995						

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162	Glucose (%)	2	1	0.42700							
165	Sucrose (%)	2	2	2.5280	0.16546						
400	Water activity (Units)	6	5	0.37433	0.00901	0.37279	0.00962	0.00538	2.58%	0.00210	
516	Arsenic, total (mg / kg (ppm))	6	6	2.9890	0.45709	2.9890	0.51834	0.26452	17.34%	0.24142	13.57%
518	Cadmium (mg / kg (ppm))	9	9	0.87351	0.56812	0.73179	0.12239	0.05099	16.72%	0.08277	16.77%
520	Chromium (mg / kg (ppm))	12	11	34.838	9.9695	35.211	9.1701	3.4561	26.04%	1.2496	9.36%
526	Lead (mg / kg (ppm))	9	9	1.3697	0.61700	1.4428	0.51435	0.21431	35.65%	0.08330	15.14%
539	Nickel (mg / kg (ppm))	5	5	13.398	2.8756	13.398	2.8756	1.2860	21.46%	0.92496	10.82%

Notes: Robust statistics not used if < 6 labs reporting, in this case means and SD's may be reported based on Raw Data with obvious blunders removed.