



AAFCO
Proficiency Testing Program



Animal Feed Scheme

Beef Feed, Medicated

Test Material Code # 201724

Analyte Summary Report

Analytes Reported: 83

Labs Reporting: 195

Issue Date : 05/31/2017

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 (%)	7	6	7.7591	4.2998	7.7591	4.8760	2.4883	62.84%	0.20350	2.94%
001	Loss on Drying (%)	83	82	6.8002	0.47738	6.8253	0.32147	0.04438	4.71%	0.12203	3.00%
002	Protein (%)	191	186	34.719	0.79882	34.676	0.42876	0.03930	1.24%	0.19229	1.70%
003	Fat (%)	143	141	1.7145	0.39563	1.7001	0.30812	0.03244	18.12%	0.08906	3.69%
004	Fiber (%)	123	120	9.2658	1.4296	9.2036	1.3962	0.15932	15.17%	0.28599	2.86%
005	Ash (%)	144	140	25.647	2.7314	26.099	0.58423	0.06172	2.24%	0.20297	1.96%
006	Total sugars (%)	4	4	12.100	11.777	12.100	11.777	5.8885	97.33%	0.10500	2.75%
008	Fiber (%)	66	64	11.571	1.1059	11.542	0.99290	0.15514	8.60%	0.35306	2.77%
009	Fiber (%)	59	58	20.698	1.4980	20.617	1.3911	0.22832	6.75%	0.60065	2.20%
010	Moisture (%)	23	23	7.1688	0.99071	7.0426	0.70452	0.18363	10.00%	0.11879	2.98%
011	Loss on Drying (%)	71	70	8.0578	0.51098	8.0929	0.46397	0.06932	5.73%	0.12172	2.92%
012	Starch (%)	38	36	5.9908	2.8452	5.5661	1.3433	0.27985	24.13%	0.16399	3.09%
013	Fat (%)	48	48	2.8105	0.61157	2.8327	0.64438	0.11626	22.75%	0.18388	3.42%
015	Aluminum (mg / kg (ppm))	14	14	286.04	63.399	290.04	62.055	20.731	21.40%	7.9565	6.81%
017	Boron (mg / kg (ppm))	13	12	15.530	0.95608	15.578	0.97316	0.35116	6.25%	0.54417	10.58%
019	Calcium (%)	141	139	6.8825	0.50621	6.8588	0.35800	0.03796	5.22%	0.14696	2.99%
021	Cobalt (mg / kg (ppm))	26	25	10.198	1.8951	10.265	1.9554	0.48886	19.05%	0.50155	11.27%
022	Copper (mg / kg (ppm))	102	100	475.78	62.550	482.03	27.610	3.4513	5.73%	12.059	6.31%
024	Iodine (mg / kg (ppm))	3	3	16.133	7.6422	16.133	7.6422	4.4122	47.37%	1.0667	10.53%
025	Iron (mg / kg (ppm))	80	79	653.00	161.65	678.32	99.882	14.047	14.73%	20.603	6.00%
027	Magnesium (%)	103	100	0.72208	0.06744	0.72451	0.03755	0.00469	5.18%	0.01442	4.20%
028	Manganese (mg / kg (ppm))	95	91	425.02	42.144	428.68	30.303	3.9708	7.07%	10.036	6.43%
031	Phosphorus (%)	136	130	0.60888	0.04250	0.60921	0.03736	0.00410	6.13%	0.01483	4.31%
032	Potassium (%)	104	101	2.3936	0.16972	2.3999	0.12246	0.01523	5.10%	0.05135	3.51%
033	Salt as chloride (%)	63	61	3.8171	0.45341	3.9199	0.13895	0.02224	3.54%	0.05238	3.26%
034	Selenium (mg / kg (ppm))	23	23	4.4488	1.2748	4.6551	0.89802	0.23406	19.29%	0.19453	12.69%
035	Sodium (%)	91	88	0.81087	0.04874	0.80745	0.04414	0.00588	5.47%	0.02171	4.13%
036	Sulfur (%)	41	41	0.62291	0.06758	0.61779	0.04500	0.00879	7.28%	0.02622	4.30%
037	Zinc (mg / kg (ppm))	100	98	1,129.0	212.38	1,169.0	94.105	11.883	8.05%	31.759	5.52%
038	Molybdenum (mg / kg (ppm))	17	17	2.8537	0.58170	2.8854	0.56868	0.17241	19.71%	0.17037	13.64%

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040	Barium (mg / kg (ppm))	3	3	11.227	1.1071	11.227	1.1071	0.63918	9.86%	0.71753	11.12%
041	Vanadium (mg / kg (ppm))	1	1	1.5800							
042	Chloride (%)	5	5	2.4190	0.08778	2.4190	0.08778	0.03926	3.63%	0.17800	3.50%
101	Choline Chloride (mg / kg (ppm))	4	4	1,295.5	638.00	1,295.5	638.00	319.00	49.25%	20.728	5.44%
102	Niacin (mg / kg (ppm))	3	3	653.65	52.269	653.65	52.269	30.178	8.00%	56.110	6.03%
103	Pantothenic Acid (mg / kg (ppm))	3	3	14.077	3.5555	14.077	3.5555	2.0528	25.26%	0.31333	10.74%
104	Riboflavin (mg / kg (ppm))	4	4	2.9050	1.0553	2.9050	1.0553	0.52765	36.33%	0.24000	13.62%
105	Thiamine (mg / kg (ppm))	3	3	22.490	6.6983	22.490	6.6983	3.8673	29.78%	3.4400	10.01%
106	Vitamin A (KU / kg)	24	23	32.764	9.4469	30.548	5.3062	1.3830	17.37%	2.7278	
107	Vitamin B12 (µg / kg (ppb))	2	2	19.450	2.1213						
108	Vitamin D3 (KU / kg)	7	6	5.9667	0.76972	5.9667	0.87286	0.44543	14.63%	1.2633	
109	Vitamin E (IU/kg)	16	16	484.58	130.04	510.19	52.367	16.365	10.26%	14.364	
112	Pyridoxine (µg / g)	2	2	5.0925	0.57629						
113	Folic Acid (mg / kg (ppm))	1	1	1.7900							
114	Biotin (mg / kg (ppm))	1	1	0.32200							
115	Non Protein N (NPN) (%)	8	8	6.5569	5.8179	6.5569	6.5975	2.9157	100.62%	0.25675	3.01%
120	Alanine (%)	23	22	0.95497	0.03899	0.95254	0.03430	0.00914	3.60%	0.01853	4.03%
121	Arginine (%)	23	22	1.3584	0.03987	1.3596	0.04168	0.01111	3.07%	0.02239	3.82%
122	Aspartic (%)	23	22	1.9209	0.05371	1.9186	0.05030	0.01340	2.62%	0.03717	3.63%
124	Cysteine/Cystine (%)	24	22	0.35627	0.02402	0.35553	0.02505	0.00668	7.05%	0.00769	4.67%
125	Glutamic (%)	23	22	3.6765	0.09880	3.6698	0.09591	0.02556	2.61%	0.07107	3.29%
126	Glycine (%)	23	22	0.96998	0.02751	0.96835	0.02224	0.00593	2.30%	0.01701	4.02%
127	Histidine (%)	22	22	0.52581	0.06514	0.51337	0.02599	0.00693	5.06%	0.01429	4.42%
128	Isoleucine (%)	23	22	0.80848	0.06040	0.81169	0.04490	0.01197	5.53%	0.01872	4.13%
129	Leucine (%)	23	22	1.4513	0.05475	1.4460	0.03272	0.00872	2.26%	0.02124	3.78%
130	L-Lysine (%)	25	25	1.0407	0.12999	1.0179	0.04048	0.01012	3.98%	0.02175	3.99%
131	Methionine (%)	24	24	0.27451	0.03931	0.26821	0.02288	0.00584	8.53%	0.00666	4.88%
132	Phenylalanine (%)	23	21	0.93515	0.03974	0.93485	0.03856	0.01052	4.12%	0.01705	4.04%
133	Proline (%)	22	21	1.1757	0.16654	1.1411	0.05775	0.01575	5.06%	0.02660	3.92%
134	Serine (%)	23	22	0.98461	0.12692	0.96458	0.03973	0.01059	4.12%	0.02170	4.02%
135	Threonine (%)	23	22	0.79314	0.02553	0.79241	0.02546	0.00679	3.21%	0.02077	4.14%
136	Tryptophan (%)	13	12	0.27193	0.02873	0.26820	0.01488	0.00537	5.55%	0.00585	4.88%
137	Tyrosine (%)	18	17	0.65689	0.08683	0.65394	0.07010	0.02125	10.72%	0.01752	4.26%
138	Valine (%)	23	22	0.97800	0.06464	0.97763	0.06508	0.01734	6.66%	0.01946	4.01%
139	Taurine (%)	2		0.00000							
160	Fructose (%)	4	4	0.17288	0.07153	0.17288	0.07153	0.03577	41.38%	0.01025	5.21%
162	Glucose (%)	3	2	0.09825	0.00247	0.09825	0.00247	0.00175	2.51%	0.00050	5.67%
163	Lactose (%)	2		0.00000							

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164	Maltose (%)	1		0.00000							
165	Sucrose (%)	5	5	2.8340	0.17893	2.8340	0.17893	0.08002	6.31%	0.02600	3.42%
166	Raffinose (%)	3	3	0.70500	0.13972	0.70500	0.13972	0.08067	19.82%	0.03867	4.22%
167	Stachyose (%)	3	3	1.2783	0.17609	1.2783	0.17609	0.10167	13.78%	0.09667	3.85%
351	Chlortetracycline (mg/kg (ppm))	17	17	275.44	59.991	273.35	60.893	18.461	22.28%	7.3729	6.88%
364	Melengestrol Acetate (mg/kg (ppm))	1	1	3.1850							
365	Monensin (mg/kg (ppm))	25	24	256.88	31.811	254.43	16.075	4.1016	6.32%	8.7725	6.95%
382	Sulfamethazine (mg/kg (ppm))	6	5	308.69	30.983	308.69	30.983	17.320	10.04%	5.2800	6.75%
388	Tylosin (mg/kg (ppm))	7	7	51.693	21.931	51.693	24.870	11.750	48.11%	7.9000	8.83%
400	Water activity (Units)	9	9	0.47657	0.01454	0.47531	0.01344	0.00560	2.83%	0.00309	
516	Arsenic, total (mg / kg (ppm))	7	7	0.71864	0.09009	0.71864	0.10217	0.04827	14.22%	0.06933	16.81%
518	Cadmium (mg / kg (ppm))	8	7	0.18251	0.06367	0.19874	0.02811	0.01328	14.14%	0.01897	20.40%
520	Chromium (mg / kg (ppm))	10	9	12.723	5.0066	12.759	5.5997	2.3332	43.89%	0.98603	10.90%
526	Lead (mg / kg (ppm))	7	7	0.55439	0.17685	0.59764	0.08395	0.03966	14.05%	0.02193	17.29%
539	Nickel (mg / kg (ppm))	4	4	5.1368	0.92578	5.1368	0.92578	0.46289	18.02%	0.25180	12.50%

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.