



AAFCO
Proficiency Testing Program



Animal Feed Scheme
Dairy Beef Feed, Medicated
Test Material Code # 201728

Analyte Summary Report

Analytes Reported: 103
Labs Reporting: 193
Issue Date : 09/30/2017

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	7	8.2679	4.1880	8.2679	4.7492	2.2438	57.44%	0.13571	2.91%
001	Loss on Drying (%)	74	73	7.0701	0.47028	7.0935	0.31359	0.04588	4.42%	0.09108	2.98%
002	Protein (%)	193	190	34.761	1.1648	34.618	0.47049	0.04267	1.36%	0.24186	1.70%
003	Fat (%)	145	142	1.6063	0.58205	1.5413	0.40027	0.04199	25.97%	0.08668	3.75%
004	Fiber (%)	118	116	8.9572	1.5993	8.8885	1.0999	0.12765	12.37%	0.22776	2.88%
005	Ash (%)	139	136	25.835	1.5828	25.996	0.65384	0.07008	2.52%	0.23967	1.96%
006	Total sugars (%)	3	3	5.0967	0.60144	5.0967	0.60144	0.34724	11.80%	0.18667	3.13%
008	Fiber (%)	61	60	11.374	1.9184	11.335	1.0079	0.16264	8.89%	0.33953	2.78%
009	Fiber (%)	54	53	20.485	2.4980	20.505	1.7854	0.30656	8.71%	0.54872	2.21%
010	Moisture (%)	27	26	7.2493	0.92139	7.0992	0.46952	0.11510	6.61%	0.19119	2.98%
011	Loss on Drying (%)	72	71	8.3403	0.53558	8.3713	0.41017	0.06085	4.90%	0.11726	2.91%
012	Starch (%)	26	25	5.4240	1.0715	5.3593	0.95332	0.23833	17.79%	0.18424	3.11%
013	Fat (%)	50	50	2.8154	0.93523	2.7166	0.78236	0.13830	28.80%	0.16797	3.44%
015	Aluminum (mg / kg (ppm))	15	15	280.32	79.975	286.09	67.085	21.652	23.45%	17.331	6.83%
017	Boron (mg / kg (ppm))	15	14	16.304	3.5494	16.735	2.8002	0.93550	16.73%	0.75835	10.47%
019	Calcium (%)	136	131	6.8522	0.67892	6.9080	0.38895	0.04248	5.63%	0.13790	2.99%
021	Cobalt (mg / kg (ppm))	32	31	10.083	1.6880	10.222	1.5470	0.34732	15.13%	0.40873	11.27%
022	Copper (mg / kg (ppm))	104	102	464.38	63.830	475.56	25.165	3.1147	5.29%	11.982	6.33%
024	Iodine (mg / kg (ppm))	3	3	13.900	5.5344	13.900	5.5344	3.1953	39.82%	0.34000	10.76%
025	Iron (mg / kg (ppm))	83	82	664.69	124.75	683.84	85.424	11.792	12.49%	32.295	5.99%
027	Magnesium (%)	105	104	0.70791	0.08625	0.71973	0.04204	0.00515	5.84%	0.01649	4.20%
028	Manganese (mg / kg (ppm))	98	96	421.53	45.712	426.66	29.691	3.7879	6.96%	12.228	6.43%
031	Phosphorus (%)	134	131	0.60798	0.04125	0.60978	0.03692	0.00403	6.05%	0.01543	4.31%
032	Potassium (%)	106	104	2.3540	0.27293	2.3901	0.12290	0.01506	5.14%	0.04869	3.51%
033	Salt as chloride (%)	71	69	3.8805	0.57114	3.9412	0.13572	0.02042	3.44%	0.04211	3.25%
034	Selenium (mg / kg (ppm))	23	22	4.5924	0.94513	4.6278	0.90073	0.24005	19.46%	0.20866	12.70%
035	Sodium (%)	98	98	0.80207	0.08543	0.80468	0.05548	0.00701	6.89%	0.02056	4.13%
036	Sulfur (%)	43	42	0.61930	0.07817	0.62132	0.05635	0.01087	9.07%	0.02097	4.30%
037	Zinc (mg / kg (ppm))	102	100	1,159.5	226.16	1,193.4	97.796	12.224	8.19%	30.258	5.51%
038	Molybdenum (mg / kg (ppm))	21	19	3.1216	0.38796	3.1139	0.42111	0.12076	13.52%	0.13078	13.48%

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040	Barium (mg / kg (ppm))	3	3	11.317	1.1265	11.317	1.1265	0.65039	9.95%	0.39730	11.10%
041	Vanadium (mg / kg (ppm))	3	2	1.7425	0.29345	1.7425	0.29345	0.20750	16.84%	0.07500	14.71%
042	Chloride (%)	3	3	2.4417	0.11772	2.4417	0.11772	0.06797	4.82%	0.05000	3.50%
101	Choline Chloride (mg / kg (ppm))	6	6	1,622.1	554.73	1,622.1	629.06	321.02	38.78%	72.792	5.26%
102	Niacin (mg / kg (ppm))	4	4	567.57	217.42	567.57	217.42	108.71	38.31%	51.907	6.16%
103	Pantothenic Acid (mg / kg (ppm))	2	2	11.210	2.1072						
104	Riboflavin (mg / kg (ppm))	4	4	2.1113	0.42124	2.1113	0.42124	0.21062	19.95%	0.13750	14.30%
105	Thiamine (mg / kg (ppm))	4	4	25.243	4.8067	25.243	4.8067	2.4034	19.04%	1.9450	9.84%
106	Vitamin A (KU / kg)	26	25	23.436	8.2283	23.227	5.7020	1.4255	24.55%	3.1977	
107	Vitamin B12 (µg / kg (ppb))	1	1	17.100							
108	Vitamin D3 (KU / kg)	6	6	4.1383	0.87190	4.1383	0.98873	0.50456	23.89%	0.43000	
109	Vitamin E (IU/kg)	17	17	429.91	103.65	447.71	50.693	15.369	11.32%	23.875	
112	Pyridoxine (µg / g)	1	1	4.4750							
113	Folic Acid (mg / kg (ppm))	1	1	1.0400							
114	Biotin (mg / kg (ppm))	1	1	0.32450							
115	Non Protein N (NPN) (%)	9	8	2.1648	1.5186	1.8680	0.92302	0.40792	49.41%	0.03880	3.64%
120	Alanine (%)	27	26	0.93734	0.05544	0.93754	0.04995	0.01224	5.33%	0.01499	4.04%
121	Arginine (%)	26	25	1.3621	0.06578	1.3597	0.06777	0.01694	4.98%	0.02672	3.82%
122	Aspartic (%)	27	26	1.9047	0.06979	1.8970	0.04833	0.01185	2.55%	0.04121	3.63%
124	Cysteine/Cystine (%)	27	26	0.35033	0.03301	0.35160	0.02505	0.00614	7.13%	0.00855	4.68%
125	Glutamic (%)	27	26	3.6014	0.16292	3.5877	0.12849	0.03150	3.58%	0.08093	3.30%
126	Glycine (%)	27	25	0.96207	0.04349	0.95961	0.02835	0.00709	2.95%	0.01736	4.02%
127	Histidine (%)	26	24	0.49190	0.03766	0.49226	0.02238	0.00571	4.55%	0.00819	4.45%
128	Isoleucine (%)	27	26	0.80570	0.04920	0.80445	0.04588	0.01125	5.70%	0.02027	4.13%
129	Leucine (%)	27	26	1.4335	0.07593	1.4363	0.04713	0.01155	3.28%	0.02337	3.79%
130	L-Lysine (%)	28	27	1.0199	0.05899	1.0106	0.04214	0.01014	4.17%	0.02012	3.99%
131	Methionine (%)	27	26	0.26891	0.02950	0.26666	0.02208	0.00541	8.28%	0.01000	4.88%
132	Phenylalanine (%)	27	26	0.92793	0.04271	0.92750	0.04155	0.01019	4.48%	0.02296	4.05%
133	Proline (%)	23	22	1.1516	0.06786	1.1471	0.06664	0.01776	5.81%	0.04173	3.92%
134	Serine (%)	27	26	0.95067	0.05557	0.95500	0.04397	0.01078	4.60%	0.02237	4.03%
135	Threonine (%)	29	28	0.78751	0.05467	0.78526	0.02869	0.00678	3.65%	0.01571	4.15%
136	Tryptophan (%)	16	16	0.24901	0.03039	0.24920	0.03406	0.01064	13.67%	0.01003	4.93%
137	Tyrosine (%)	21	21	0.62589	0.22433	0.61466	0.06420	0.01751	10.44%	0.02653	4.30%
138	Valine (%)	27	25	0.97164	0.04766	0.97175	0.05173	0.01293	5.32%	0.02165	4.02%
139	Taurine (%)	1		0.00000							
160	Fructose (%)	6	6	0.21158	0.05967	0.21158	0.06766	0.03453	31.98%	0.03650	5.05%
161	Galactose (%)	1		0.00000							
162	Glucose (%)	5	3	0.11500	0.04951	0.11500	0.04951	0.02858	43.05%	0.04733	5.54%

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163	Lactose (%)	4									
164	Maltose (%)	3	1								
165	Sucrose (%)	7	6	2.8392	0.13684	2.8392	0.15517	0.07919	5.47%	0.10167	3.42%
166	Raffinose (%)	3	3	0.67500	0.10282	0.67500	0.10282	0.05936	15.23%	0.03133	4.24%
167	Stachyose (%)	3	3	1.3507	0.12797	1.3507	0.12797	0.07388	9.47%	0.08800	3.82%
351	Chlortetracycline (mg/kg (ppm))	16	15	227.33	41.997	225.49	37.972	12.255	16.84%	8.8901	7.08%
364	Melengestrol Acetate (mg/kg (ppm))	1	1	3.0450							
365	Monensin (mg/kg (ppm))	23	22	245.44	23.381	244.22	20.508	5.4654	8.40%	10.351	6.99%
382	Sulfamethazine (mg/kg (ppm))	8	8	285.22	53.355	285.22	60.504	26.739	21.21%	18.248	6.83%
388	Tylosin (mg/kg (ppm))	8	8	41.079	19.748	41.079	22.395	9.8971	54.52%	3.2763	9.14%
400	Water activity (Units)	8	7	0.50063	0.01053	0.49934	0.00878	0.00415	1.76%	0.00066	
412	Dietary Starch (%)	1	1	4.9750							
516	Arsenic, total (mg / kg (ppm))	10	9	0.68727	0.09055	0.67785	0.07921	0.03301	11.69%	0.07563	16.96%
518	Cadmium (mg / kg (ppm))	13	12	0.19760	0.05196	0.20785	0.01548	0.00558	7.45%	0.01679	20.26%
520	Chromium (mg / kg (ppm))	12	11	12.850	6.5709	12.850	7.4514	2.8083	57.99%	1.7736	10.89%
526	Lead (mg / kg (ppm))	10	9	0.56288	0.14880	0.59290	0.08412	0.03505	14.19%	0.06524	17.31%
539	Nickel (mg / kg (ppm))	8	8	6.2539	1.3609	6.2539	1.5432	0.68201	24.68%	0.30606	12.14%
710	Lauric Acid (12:0) (% (w/w))	1		0.00000							
714	Myristic Acid (14:0) (% (w/w))	1	1	0.00450							
716	Palmitic Acid (16:0) (% (w/w))	1	1	0.34700							
718	Palmitoleic Acid (9c-16:1) (% (w/w))	1	1	0.02100							
722	Stearic Acid (18:0) (% (w/w))	1	1	0.06050							
724	Oleic Acid (9c-18:1) (% (w/w))	1	1	0.39000							
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	1	1	0.42050							
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	1	1	0.03800							
730	Arachidic Acid (20:0) (% (w/w))	1	1	0.00850							
732	Gondoic Acid (11c-20:1) (% (w/w))	1	1	0.01100							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	1		0.00000							
742	Behenic Acid (22:0) (% (w/w))	1	1	0.00850							
744	Erucic Acid (13c-22:1) (% (w/w))	1		0.00000							
746	Docosapentaenoic Acid n-3 DPA (DHA)7c,10c,13c,16c,19c-22:5) (% (w/w))	1		0.00000							
748	Lignoceric Acid (24:0) (% (w/w))	1	1	0.00800							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c,22c-24:6) (% (w/w))	1		0.00000							
752	Nervonic Acid (24:1) isomers (% (w/w))	1		0.00000							
772	Total Fatty Acids (% (w/w))	1	1	1.3840							

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.

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