



AAFCO
Proficiency Testing Program



Animal Feed Scheme

Swine Feed, Medicated

Test Material Code # 201730

Analyte Summary Report

Analytes Reported: 109

Labs Reporting: 200

Issue Date : 11/30/2017

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 (%)	1	1	0.20000							
001	Loss on Drying (%)	77	75	10.250	9.3765	9.2189	0.57569	0.08309	6.24%	0.15409	2.86%
002	Protein (%)	199	194	21.079	1.4636	21.161	0.37303	0.03348	1.76%	0.14521	2.17%
003	Fat (%)	148	145	6.7223	0.55893	6.7865	0.29655	0.03078	4.37%	0.14717	3.00%
004	Fiber (%)	125	123	2.4513	0.52494	2.4013	0.37005	0.04171	15.41%	0.10991	3.51%
005	Ash (%)	146	144	7.9165	1.1161	7.8115	0.17367	0.01809	2.22%	0.06444	2.94%
006	Total sugars (%)	4	3	10.968	0.72288	10.968	0.72288	0.52169	6.59%	0.36333	2.79%
008	Fiber (%)	62	61	3.8468	2.4765	3.4432	0.42723	0.06838	12.41%	0.19797	3.32%
009	Fiber (%)	58	56	7.5678	1.3951	7.4558	1.0424	0.17413	13.98%	0.30170	2.96%
010	Moisture (%)	28	27	9.4372	0.69171	9.4036	0.68163	0.16398	7.25%	0.12816	2.85%
011	Loss on Drying (%)	76	74	10.728	0.85396	10.748	0.64025	0.09303	5.96%	0.12895	2.80%
012	Starch (%)	32	31	26.704	3.8353	27.352	2.1990	0.49370	8.04%	0.46927	1.91%
013	Fat (%)	53	52	8.4490	2.8723	8.1319	0.96398	0.16710	11.85%	0.24750	2.92%
015	Aluminum (mg / kg (ppm))	10	10	213.53	42.749	214.23	43.090	17.033	20.11%	10.713	7.13%
017	Boron (mg / kg (ppm))	13	13	11.795	1.1283	11.696	1.0244	0.35516	8.76%	0.62734	11.05%
019	Calcium (%)	140	137	1.1774	0.07429	1.1765	0.06938	0.00741	5.90%	0.02682	3.90%
021	Cobalt (mg / kg (ppm))	23	22	1.7957	0.21508	1.8099	0.19653	0.05238	10.86%	0.06641	14.63%
022	Copper (mg / kg (ppm))	102	98	174.72	17.194	175.73	13.037	1.6461	7.42%	4.0868	7.35%
023	Fluorine (mg / kg (ppm))	1	1	15.700							
025	Iron (mg / kg (ppm))	95	91	690.63	112.32	707.33	58.065	7.6086	8.21%	17.853	5.96%
027	Magnesium (%)	106	104	0.20081	0.04817	0.19709	0.01189	0.00146	6.04%	0.00567	5.11%
028	Manganese (mg / kg (ppm))	95	93	160.59	16.106	162.28	11.067	1.4344	6.82%	4.3503	7.44%
031	Phosphorus (%)	138	134	0.69259	0.04020	0.69479	0.03529	0.00381	5.08%	0.01594	4.23%
032	Potassium (%)	105	102	1.1249	0.13228	1.1133	0.06585	0.00815	5.92%	0.02466	3.94%
033	Salt as chloride (%)	67	64	1.4168	0.06355	1.4204	0.05436	0.00849	3.83%	0.02136	3.79%
034	Selenium (mg / kg (ppm))	23	22	1.6210	0.49933	1.6724	0.31400	0.08368	18.78%	0.10166	14.81%
035	Sodium (%)	103	101	0.52396	0.05442	0.52722	0.03289	0.00409	6.24%	0.01574	4.40%
036	Sulfur (%)	34	33	0.30077	0.01974	0.30098	0.02174	0.00473	7.22%	0.00714	4.79%
037	Zinc (mg / kg (ppm))	101	98	3,760.8	498.06	3,782.2	262.97	33.205	6.95%	78.127	4.63%
038	Molybdenum (mg / kg (ppm))	16	16	1.7237	0.24355	1.7104	0.23413	0.07317	13.69%	0.11681	14.76%

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040	Barium (mg / kg (ppm))	2	2	6.5087	0.51096						
041	Vanadium (mg / kg (ppm))	1	1	1.2650							
042	Chloride (%)	6	6	0.95000	0.17404	0.89836	0.06120	0.03123	6.81%	0.02667	4.06%
101	Choline Chloride (mg / kg (ppm))	5	5	1,872.5	355.85	1,872.5	355.85	198.93	19.00%	92.532	5.15%
102	Niacin (mg / kg (ppm))	2	2	172.15	53.945						
103	Pantothenic Acid (mg / kg (ppm))	1	1	69.250							
104	Riboflavin (mg / kg (ppm))	3	3	20.560	2.8632	20.560	2.8632	2.0663	13.93%	0.68000	10.15%
105	Thiamine (mg / kg (ppm))	4	4	7.0753	2.4944	7.0753	2.4944	1.5590	35.26%	0.38200	11.92%
106	Vitamin A (KU / kg)	21	20	33.727	11.531	34.062	8.2290	2.3001	24.16%	3.0779	
107	Vitamin B12 (µg / kg (ppb))	1	1	169.50							
108	Vitamin D3 (KU / kg)	9	9	12.925	5.5170	12.820	6.0217	2.5090	46.97%	1.1687	
109	Vitamin E (IU/kg)	17	17	194.83	93.830	177.26	36.116	10.949	20.37%	5.7366	
111	Vitamin C, phosphorylated (mg / kg (ppm))	1	1	1.9300							
112	Pyridoxine (µg / g)	1	1	7.0900							
113	Folic Acid (mg / kg (ppm))	1	1	4.8200							
114	Biotin (mg / kg (ppm))	1	1	0.97000							
120	Alanine (%)	27	27	1.0453	0.03734	1.0423	0.02802	0.00674	2.69%	0.02029	3.97%
121	Arginine (%)	26	26	1.2528	0.04570	1.2502	0.04587	0.01124	3.67%	0.02060	3.87%
122	Aspartic (%)	27	27	1.9824	0.09185	1.9874	0.06913	0.01663	3.48%	0.04525	3.61%
124	Cysteine/Cystine (%)	27	25	0.33001	0.03205	0.33376	0.01451	0.00363	4.35%	0.00620	4.72%
125	Glutamic (%)	27	27	3.4794	0.15602	3.4621	0.13183	0.03171	3.81%	0.05574	3.32%
126	Glycine (%)	27	27	0.98737	0.03918	0.98464	0.02269	0.00546	2.30%	0.01644	4.01%
127	Histidine (%)	26	25	0.49581	0.01768	0.49707	0.01679	0.00420	3.38%	0.01128	4.44%
128	Isoleucine (%)	28	27	0.81963	0.05697	0.82181	0.03708	0.00892	4.51%	0.01965	4.12%
129	Leucine (%)	28	26	1.6081	0.06113	1.6093	0.05373	0.01317	3.34%	0.02783	3.72%
130	L-Lysine (%)	31	30	1.4062	0.09638	1.4007	0.05754	0.01313	4.11%	0.03003	3.80%
131	Methionine (%)	29	29	0.43572	0.03891	0.43294	0.03680	0.00854	8.50%	0.01122	4.54%
132	Phenylalanine (%)	27	27	0.95418	0.03483	0.95530	0.03573	0.00860	3.74%	0.02359	4.03%
133	Proline (%)	26	25	1.1398	0.05157	1.1354	0.04365	0.01091	3.84%	0.02408	3.92%
134	Serine (%)	27	27	0.98746	0.06925	0.98440	0.04094	0.00985	4.16%	0.02215	4.01%
135	Threonine (%)	29	28	0.89487	0.04998	0.89476	0.04307	0.01017	4.81%	0.01563	4.07%
136	Tryptophan (%)	18	17	0.24141	0.02853	0.24144	0.02618	0.00794	10.84%	0.00495	4.95%
137	Tyrosine (%)	22	21	0.63982	0.07077	0.64178	0.07605	0.02074	11.85%	0.02028	4.28%
138	Valine (%)	27	26	0.99239	0.04867	0.99480	0.04657	0.01142	4.68%	0.02125	4.00%
139	Taurine (%)	4	3	0.13350	0.09120	0.13350	0.09120	0.06582	68.31%	0.02833	5.42%
150	Phytase (Units / kg)	4	4	1,041.0	267.22	1,041.0	267.22	167.01	25.67%	48.000	
160	Fructose (%)	4	4	0.59288	0.47941	0.59288	0.47941	0.29963	80.86%	0.00675	4.33%
162	Glucose (%)	5	4	0.49913	0.19932	0.49913	0.19932	0.12458	39.93%	0.01175	4.44%

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163	Lactose (%)	8	8	8.0604	0.88680	7.9014	0.58440	0.25827	7.40%	0.12625	2.93%
164	Maltose (%)	4	3	2.1600	1.4110	2.1600	1.4110	1.0183	65.32%	0.12667	3.56%
165	Sucrose (%)	6	6	3.5150	0.10516	3.5150	0.11925	0.06086	3.39%	0.08333	3.31%
166	Raffinose (%)	2	2	0.26925	0.02722						
167	Stachyose (%)	2	2	1.0775	0.09546						
345	Amprolium (mg/kg (ppm))	3	2	1.9775	0.32173	1.9775	0.32173	0.28437	16.27%	0.37500	14.44%
350	Carbadox (mg/kg (ppm))	7	7	27.757	3.9949	27.426	3.7368	1.7655	13.63%	1.0571	9.72%
351	Chlortetracycline (mg/kg (ppm))	16	16	162.25	23.003	162.25	26.085	8.1515	16.08%	10.254	7.44%
357	Ethoxyquin (mg/kg (ppm))	2	2	8.0000	0.70711						
373	Oxytetracycline (mg/kg (ppm))	1	1	2.0150							
382	Sulfamethazine (mg/kg (ppm))	7	7	48.061	25.394	41.724	11.647	5.5026	27.91%	1.4341	9.12%
386	Tiamulin (mg/kg (ppm))	6	3	9.5683	2.5840	9.5683	2.5840	1.8649	27.01%	0.55000	11.39%
388	Tylosin (mg/kg (ppm))	2	2	0.10800	0.10253						
400	Water activity (Units)	8	8	0.59717	0.01178	0.59558	0.00934	0.00413	1.57%	0.00321	
412	Dietary Starch (%)	1	1	26.845							
516	Arsenic, total (mg / kg (ppm))	9	9	0.32607	0.09404	0.32825	0.10177	0.04240	31.00%	0.02312	18.92%
518	Cadmium (mg / kg (ppm))	9	9	0.15138	0.03930	0.15487	0.01628	0.00678	10.51%	0.00954	21.18%
520	Chromium (mg / kg (ppm))	7	7	3.9200	0.72904	3.9336	0.79579	0.37597	20.23%	0.17580	13.02%
526	Lead (mg / kg (ppm))	10	10	0.90313	0.07165	0.89752	0.06764	0.02674	7.54%	0.04579	16.26%
529	Mercury (µg / kg (ppb))	3	2	28.448	33.308	28.448	33.308	29.440	117.08%	1.1550	22.00%
539	Nickel (mg / kg (ppm))	6	6	3.2704	0.45675	3.2704	0.51795	0.26432	15.84%	0.17195	13.38%
710	Lauric Acid (12:0) (% (w/w))	2	2	0.01168	0.01177						
714	Myristic Acid (14:0) (% (w/w))	2	2	0.08008	0.01404						
716	Palmitic Acid (16:0) (% (w/w))	2	2	1.1150	0.08195						
718	Palmitoleic Acid (9c-16:1) (% (w/w))	2	2	0.09725	0.02864						
720	Margaric acid (17:0) (% (w/w))	1	1	0.01300							
722	Stearic Acid (18:0) (% (w/w))	2	2	0.34170	0.01655						
724	Oleic Acid (9c-18:1) (% (w/w))	2	2	2.0765	0.62798						
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	2	2	4.0006	1.0005						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	2	2	0.46033	0.12187						
730	Arachidic Acid (20:0) (% (w/w))	2	2	0.02360	0.00339						
732	Gondoic Acid (11c-20:1) (% (w/w))	1	1	0.02450							
738	Mead Acid (11c,14c,17c-20:3) (% (w/w))	1	1	0.01750							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	1	1	0.05110							
742	Behenic Acid (22:0) (% (w/w))	1	1	0.01870							
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))	2	2	0.01468	0.00470						
748	Lignoceric Acid (24:0) (% (w/w))	1	1	0.06120							

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750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,1	2	2	0.04168	0.00894						
752	Nervonic Acid (24:1) isomers (% (w/w))	1		0.00020							
772	Total Fatty Acids (% (w/w))	1	1	7.2866							

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.