



AAFCO
Proficiency Testing Program



Animal Feed Scheme

Swine Feed, Medicated

Test Material Code # 201631

Analyte Summary Report

Analytes Reported: 87

Labs Reporting: 201

Issue Date : 12/31/2016

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	0.20000							
001	Loss on Drying (%)	72	69	6.9786	0.64468	7.0270	0.41515	0.06247	5.91%	0.12091	2.98%
002	Protein (%)	207	202	20.785	0.83489	20.712	0.31364	0.02758	1.51%	0.13812	2.20%
003	Fat (%)	153	148	5.3944	0.52116	5.4147	0.51836	0.05326	9.57%	0.13492	3.10%
004	Fiber (%)	123	121	2.5254	0.56450	2.4921	0.45907	0.05217	18.42%	0.14079	3.49%
005	Ash (%)	151	149	6.5343	0.56669	6.4934	0.16893	0.01730	2.60%	0.07177	3.02%
006	Total sugars (%)	5	5	6.5720	2.6139	6.5720	2.6139	1.1690	39.77%	0.30000	3.01%
008	Fiber (%)	64	63	3.7830	1.1332	3.6534	0.81282	0.12801	22.25%	0.25276	3.29%
009	Fiber (%)	53	52	8.6581	2.2635	8.4429	1.8850	0.32675	22.33%	0.35616	2.90%
010	Moisture (%)	28	27	7.3328	0.85472	7.3496	0.59315	0.14269	8.07%	0.14185	2.96%
011	Loss on Drying (%)	81	79	7.8329	0.65942	7.9123	0.38002	0.05344	4.80%	0.11113	2.93%
012	Starch (%)	34	34	34.713	6.2610	35.874	2.9382	0.62987	8.19%	0.53747	1.67%
013	Fat (%)	51	51	6.6461	0.58402	6.6716	0.60081	0.10516	9.01%	0.15986	3.01%
015	Aluminum (mg / kg (ppm))	12	12	627.73	164.93	629.91	182.31	65.785	28.94%	16.633	6.06%
017	Boron (mg / kg (ppm))	14	14	14.864	4.1057	15.819	1.7655	0.58981	11.16%	0.47433	10.56%
019	Calcium (%)	143	142	1.0402	0.10986	1.0434	0.05865	0.00615	5.62%	0.02799	3.97%
021	Cobalt (mg / kg (ppm))	20	20	2.2468	0.73469	2.2174	0.66882	0.18694	30.16%	0.21570	14.19%
022	Copper (mg / kg (ppm))	89	87	312.52	51.874	318.59	24.913	3.3387	7.82%	9.2513	6.72%
023	Fluorine (mg / kg (ppm))	1	1	24.750							
025	Iron (mg / kg (ppm))	78	77	460.54	102.72	472.99	73.350	10.449	15.51%	12.685	6.33%
027	Magnesium (%)	94	93	0.20127	0.21827	0.17908	0.00953	0.00124	5.32%	0.00505	5.18%
028	Manganese (mg / kg (ppm))	87	85	59.714	7.5636	60.164	4.0760	0.55263	6.77%	1.8010	8.63%
031	Phosphorus (%)	137	132	0.68323	0.06344	0.68749	0.03246	0.00353	4.72%	0.01224	4.23%
032	Potassium (%)	93	92	1.0017	0.06570	1.0010	0.05112	0.00666	5.11%	0.02212	4.00%
033	Salt as chloride (%)	66	63	0.36394	0.05143	0.36385	0.03525	0.00555	9.69%	0.01180	4.66%
034	Selenium (mg / kg (ppm))	22	22	0.72925	0.56244	0.59590	0.22378	0.05964	37.55%	0.04609	17.29%
035	Sodium (%)	101	99	0.11673	0.06523	0.10741	0.01061	0.00133	9.88%	0.00500	5.60%
036	Sulfur (%)	42	41	0.29885	0.02181	0.30090	0.01700	0.00332	5.65%	0.00938	4.79%
037	Zinc (mg / kg (ppm))	98	96	1,201.2	257.47	1,250.5	80.119	10.221	6.41%	25.989	5.47%
038	Molybdenum (mg / kg (ppm))	19	18	1.3991	0.66114	1.2791	0.25249	0.07439	19.74%	0.10926	15.41%

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040	Barium (mg / kg (ppm))	3	3	11.089	3.2468	11.089	3.2468	1.8745	29.28%	0.12220	11.14%
041	Vanadium (mg / kg (ppm))	2	2	1.7848	0.08450						
042	Chloride (%)	3	3	0.21333	0.00577	0.21000				0.00667	5.06%
050	Carbadox (mg / kg (ppm))	2	2	10.607	8.8921						
051	Chlortetracycline (mg / kg (ppm))	20	19	41.546	11.558	39.649	7.9342	2.2753	20.01%	3.4547	9.19%
057	Ethoxyquin (mg / kg (ppm))	1	1	2.0000							
077	Pyrantel Tartrate (mg / kg (ppm))	1		4.7650							
082	Sulfamethazine (mg / kg (ppm))	9	9	58.005	30.250	56.327	30.377	12.657	53.93%	2.3583	8.72%
086	Tiamulin (mg / kg (ppm))	1		0.00000							
101	Choline Chloride (mg / kg (ppm))	1	1	1,725.0							
102	Niacin (mg / kg (ppm))	1	1	32.850							
103	Pantothenic Acid (mg / kg (ppm))	1	1	9.6850							
104	Riboflavin (mg / kg (ppm))	3	3	3.4883	1.6895	3.4883	1.6895	0.97541	48.43%	0.17667	13.25%
105	Thiamine (mg / kg (ppm))	2	2	3.5225	1.2268						
106	Vitamin A (KU / kg)	10	8	25.158	52.392	10.673	16.968	7.4990	158.98%	3.9525	
107	Vitamin B12 (µg / kg (ppb))	1	1	11.800							
108	Vitamin D3 (KU / kg)	3	2	2.9923	3.9142					0.40950	
109	Vitamin E (IU/kg)	13	12	13.076	8.8925	11.430	4.2577	1.5364	37.25%	1.1222	
112	Pyridoxine (µg / g)	1	1	3.8600							
113	Folic Acid (mg / kg (ppm))	1	1	1.1300							
114	Biotin (mg / kg (ppm))	1	1	0.25000							
120	Alanine (%)	22	22	1.0276	0.04466	1.0295	0.03421	0.00912	3.32%	0.01203	3.98%
121	Arginine (%)	22	22	1.3150	0.06447	1.3249	0.04895	0.01304	3.69%	0.01895	3.83%
122	Aspartic (%)	22	22	2.0762	0.08471	2.0895	0.05193	0.01384	2.49%	0.02586	3.58%
124	Cysteine/Cystine (%)	22	22	0.32002	0.02739	0.31940	0.02475	0.00660	7.75%	0.01060	4.75%
125	Glutamic (%)	22	22	3.5725	0.08529	3.5765	0.08202	0.02186	2.29%	0.04708	3.30%
126	Glycine (%)	22	22	0.92195	0.03735	0.92929	0.02500	0.00666	2.69%	0.01000	4.04%
127	Histidine (%)	22	22	0.53214	0.02683	0.53129	0.02093	0.00558	3.94%	0.00959	4.40%
128	Isoleucine (%)	22	22	0.85799	0.05805	0.86562	0.04373	0.01165	5.05%	0.01565	4.09%
129	Leucine (%)	22	22	1.6562	0.06567	1.6654	0.04823	0.01285	2.90%	0.01733	3.70%
130	L-Lysine (%)	28	28	1.2758	0.10380	1.2872	0.05371	0.01269	4.17%	0.02118	3.85%
131	Methionine (%)	24	23	0.33615	0.03935	0.34211	0.02130	0.00555	6.23%	0.00799	4.70%
132	Phenylalanine (%)	22	22	0.97605	0.03682	0.97874	0.02905	0.00774	2.97%	0.01657	4.01%
133	Proline (%)	21	21	1.1525	0.03742	1.1523	0.03278	0.00894	2.85%	0.01808	3.92%
134	Serine (%)	22	21	0.97596	0.04810	0.97741	0.05079	0.01385	5.20%	0.01480	4.01%
135	Threonine (%)	22	21	0.78934	0.03499	0.79413	0.02751	0.00750	3.46%	0.00907	4.14%
136	Tryptophan (%)	13	12	0.25245	0.01650	0.25220	0.01374	0.00496	5.45%	0.00607	4.92%
137	Tyrosine (%)	17	16	0.64788	0.10340	0.65824	0.09067	0.02834	13.78%	0.01257	4.26%

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138	Valine (%)	22	22	0.95422	0.05405	0.95869	0.04816	0.01284	5.02%	0.01610	4.03%
139	Taurine (%)	3	2	0.19250	0.00354					0.02500	
160	Fructose (%)	4	4	0.29675	0.17415	0.29675	0.17415	0.08708	58.69%	0.04900	4.80%
162	Glucose (%)	6	5	1.6082	2.9233	0.30525	0.27653	0.15459	90.59%	0.04760	4.78%
163	Lactose (%)	6	6	3.7528	1.0786	3.7528	1.2231	0.62415	32.59%	0.08835	3.28%
164	Maltose (%)	3	1								
165	Sucrose (%)	6	5	4.2451	1.1099	3.6778	0.35329	0.19749	9.61%	0.01200	3.29%
166	Raffinose (%)	3	3	0.74733	0.17232	0.66725	0.14460	0.08349	21.67%	0.05667	4.25%
167	Stachyose (%)	3	3	1.4303	0.18592	1.3230	0.00283	0.00163	0.21%	0.03067	3.83%
350	Carbadox, residual (µg / kg (ppb))	1	1	240.00							
386	Tiamulin, residual (µg / kg (ppb))	1	1	1,430.0							
393	Ractopamine Hydrochloride, residual (µg / kg (ppt)	3	3	338.97	231.47	237.46	212.90	122.92	89.66%	55.620	19.86%
400	Water activity (Units)	8	8	0.36278	0.06703	0.35836	0.06558	0.02898	18.30%	0.00520	
516	Arsenic, total (mg / kg (ppm))	9	8	0.37371	0.12492	0.38859	0.08170	0.03611	21.02%	0.03066	18.44%
518	Cadmium (mg / kg (ppm))	11	11	0.08623	0.00876	0.08580	0.00897	0.00338	10.46%	0.00517	22.00%
520	Chromium (mg / kg (ppm))	8	7	5.7488	2.4170	5.7488	2.7409	1.2949	47.68%	0.19686	12.29%
526	Lead (mg / kg (ppm))	10	9	0.46781	0.16495	0.47462	0.17143	0.07143	36.12%	0.02447	17.90%
529	Mercury (µg / kg (ppb))	1		0.00000							
539	Nickel (mg / kg (ppm))	4	4	3.6238	1.0396	3.6238	1.0396	0.51980	28.69%	0.13145	13.18%

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.