



AAFCO
Proficiency Testing Program



Animal Feed Scheme

Swine Feed, Medicated

Test Material Code # 201725

Analyte Summary Report

Analytes Reported: 88

Labs Reporting: 195

Issue Date : 06/30/2017

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	0.30000							
001	Loss on Drying (%)	76	74	9.0263	0.72035	9.0213	0.57073	0.08293	6.33%	0.13142	2.87%
002	Protein (%)	190	186	21.211	0.47462	21.190	0.33028	0.03027	1.56%	0.18114	2.17%
003	Fat (%)	146	142	6.6599	0.43282	6.6400	0.31814	0.03337	4.79%	0.11046	3.01%
004	Fiber (%)	120	118	1.8672	0.53167	1.8257	0.23252	0.02676	12.74%	0.10910	3.65%
005	Ash (%)	142	138	7.9741	0.70172	8.0128	0.14377	0.01530	1.79%	0.05981	2.92%
006	Total sugars (%)	4	4	20.366	2.2177	20.366	2.2177	1.1089	10.89%	0.39825	2.22%
008	Fiber (%)	61	60	2.7595	0.63015	2.6804	0.45617	0.07361	17.02%	0.20951	3.45%
009	Fiber (%)	57	57	6.3904	1.5705	6.1358	1.1497	0.19035	18.74%	0.29225	3.04%
010	Moisture (%)	20	19	9.2297	0.80222	9.1716	0.67369	0.19319	7.35%	0.11842	2.87%
011	Loss on Drying (%)	74	73	11.201	0.86310	11.223	0.70267	0.10280	6.26%	0.17200	2.78%
012	Starch (%)	30	30	19.179	2.2557	19.231	1.1590	0.26449	6.03%	0.24746	2.28%
013	Fat (%)	46	45	8.1532	0.73540	8.1562	0.79175	0.14753	9.71%	0.16437	2.92%
015	Aluminum (mg / kg (ppm))	13	12	206.77	83.659	194.62	47.023	16.968	24.16%	8.9089	7.24%
017	Boron (mg / kg (ppm))	13	13	11.452	1.7485	11.770	0.63753	0.22102	5.42%	0.65484	11.04%
019	Calcium (%)	146	142	1.0829	0.10527	1.0868	0.06894	0.00723	6.34%	0.03028	3.95%
021	Cobalt (mg / kg (ppm))	18	16	6.4900	0.60919	6.4468	0.56898	0.17781	8.83%	0.19046	12.08%
022	Copper (mg / kg (ppm))	100	95	94.319	37.843	91.097	6.7122	0.86082	7.37%	2.7857	8.11%
023	Fluorine (mg / kg (ppm))	1	1	15.650							
024	Iodine (mg / kg (ppm))	2	2	24.250	9.5459						
025	Iron (mg / kg (ppm))	91	88	571.69	100.00	587.82	57.289	7.6338	9.75%	20.061	6.13%
027	Magnesium (%)	101	96	0.23861	0.02444	0.23700	0.01293	0.00165	5.45%	0.00590	4.97%
028	Manganese (mg / kg (ppm))	95	93	183.14	36.306	178.52	12.748	1.6524	7.14%	7.0021	7.33%
031	Phosphorus (%)	134	133	0.71780	0.04609	0.71895	0.03781	0.00410	5.26%	0.01813	4.20%
032	Potassium (%)	104	101	1.3733	0.11572	1.3647	0.06623	0.00824	4.85%	0.03011	3.82%
033	Salt as chloride (%)	68	66	1.5817	0.07720	1.5893	0.06149	0.00946	3.87%	0.01917	3.73%
034	Selenium (mg / kg (ppm))	21	21	1.8442	0.46656	1.9126	0.33560	0.09154	17.55%	0.08000	14.51%
035	Sodium (%)	100	99	0.50013	0.05754	0.49655	0.03064	0.00385	6.17%	0.01501	4.44%
036	Sulfur (%)	35	33	0.30718	0.05954	0.29834	0.02159	0.00470	7.24%	0.01062	4.80%
037	Zinc (mg / kg (ppm))	101	98	3,379.3	606.65	3,484.4	240.05	30.311	6.89%	75.037	4.69%

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value - Robust Mean	AAFCO PT ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD
038	Molybdenum (mg / kg (ppm))	17	15	1.5875	0.32085	1.5801	0.23593	0.07615	14.93%	0.12855	14.93%
040	Barium (mg / kg (ppm))	2	2	9.7933	0.23571						
041	Vanadium (mg / kg (ppm))	1	1	1.2350							
042	Chloride (%)	3	3	0.95833	0.10563	0.95833	0.10563	0.06099	11.02%	0.09000	4.03%
101	Choline Chloride (mg / kg (ppm))	4	4	2,282.7	669.84	2,282.7	669.84	334.92	29.34%	130.58	5.00%
102	Niacin (mg / kg (ppm))	2	2	132.39	28.839						
103	Pantothenic Acid (mg / kg (ppm))	2	2	62.350	9.3338						
104	Riboflavin (mg / kg (ppm))	4	4	18.965	2.0693	18.965	2.0693	1.0347	10.91%	1.3050	10.27%
105	Thiamine (mg / kg (ppm))	4	4	6.9414	1.8473	6.9414	1.8473	0.92365	26.61%	0.41075	11.95%
106	Vitamin A (KU / kg)	24	23	39.168	17.062	37.897	15.720	4.0972	41.48%	4.4437	
107	Vitamin B12 (µg / kg (ppb))	1	1	93.650							
108	Vitamin D3 (KU / kg)	8	8	8.7588	2.7089	8.7588	3.0719	1.3576	35.07%	1.9975	
109	Vitamin E (IU/kg)	22	21	181.11	48.438	187.14	22.895	6.2451	12.23%	7.1810	
112	Pyridoxine (µg / g)	1	1	7.1850							
113	Folic Acid (mg / kg (ppm))	1	1	3.4900							
114	Biotin (mg / kg (ppm))	1	1	1.7850							
120	Alanine (%)	26	26	1.0333	0.04237	1.0314	0.03831	0.00939	3.71%	0.02070	3.98%
121	Arginine (%)	26	25	1.2783	0.05658	1.2748	0.04602	0.01150	3.61%	0.02448	3.86%
122	Aspartic (%)	26	25	2.0139	0.05802	2.0150	0.05416	0.01354	2.69%	0.02730	3.60%
124	Cysteine/Cystine (%)	25	24	0.31114	0.02480	0.31064	0.01758	0.00449	5.66%	0.00566	4.77%
125	Glutamic (%)	26	26	3.3762	0.14149	3.3613	0.10203	0.02501	3.04%	0.05955	3.33%
126	Glycine (%)	26	25	0.99275	0.03458	0.98964	0.02400	0.00600	2.42%	0.01646	4.01%
127	Histidine (%)	25	24	0.49794	0.03264	0.49121	0.01750	0.00447	3.56%	0.01034	4.45%
128	Isoleucine (%)	26	26	0.85488	0.06746	0.85660	0.05291	0.01297	6.18%	0.01637	4.09%
129	Leucine (%)	26	25	1.5499	0.06560	1.5504	0.05451	0.01363	3.52%	0.01539	3.74%
130	L-Lysine (%)	31	30	1.4291	0.09101	1.4318	0.06009	0.01371	4.20%	0.02606	3.79%
131	Methionine (%)	28	28	0.38349	0.02458	0.38524	0.02371	0.00560	6.16%	0.00984	4.62%
132	Phenylalanine (%)	26	26	0.94725	0.04524	0.94700	0.04832	0.01184	5.10%	0.01831	4.03%
133	Proline (%)	25	25	1.0815	0.08481	1.0693	0.05225	0.01306	4.89%	0.02400	3.96%
134	Serine (%)	26	26	0.99285	0.04523	0.99556	0.03887	0.00953	3.90%	0.01381	4.00%
135	Threonine (%)	28	28	0.83877	0.05682	0.84981	0.02393	0.00565	2.82%	0.01332	4.10%
136	Tryptophan (%)	16	16	0.23199	0.02599	0.23357	0.02551	0.00797	10.92%	0.00537	4.98%
137	Tyrosine (%)	20	20	0.62495	0.08615	0.63446	0.07132	0.01993	11.24%	0.02476	4.28%
138	Valine (%)	26	26	0.97876	0.06202	0.97449	0.04909	0.01203	5.04%	0.02367	4.02%
139	Taurine (%)	4	4	0.02863	0.00594	0.02863	0.00594	0.00297	20.75%	0.00175	6.83%
150	Phytase (Units / kg)	5	5	1,694.9	305.33	1,694.9	305.33	136.55	18.01%	107.00	
160	Fructose (%)	5	5	0.58960	0.28422	0.58960	0.28422	0.12711	48.21%	0.13520	4.33%
161	Galactose (%)	1	1	0.16500							

Test Material Code # 201725

Issue Date : 06/30/2017

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value - Robust Mean	AAFCO PT ffp - Robust sd	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD
162	Glucose (%)	5	5	0.85830	0.48288	0.85830	0.48288	0.21595	56.26%	0.21940	4.09%
163	Lactose (%)	10	10	16.742	1.3445	16.711	1.4572	0.57603	8.72%	0.23240	2.45%
164	Maltose (%)	4	3	2.3033	1.6061	2.3033	1.6061	0.92728	69.73%	0.26000	3.53%
165	Sucrose (%)	4	4	4.1025	0.39972	4.1025	0.39972	0.19986	9.74%	0.24000	3.23%
166	Raffinose (%)	2	2	0.21000	0.04950						
167	Stachyose (%)	2	2	1.0100	0.30406						
350	Carbadox (mg/kg (ppm))	4	4	253.19	504.67	253.19	504.67	252.34	199.32%	4.9175	6.96%
351	Chlortetracycline (mg/kg (ppm))	1	1	839.30							
357	Ethoxyquin (mg/kg (ppm))	1	1	50.500							
373	Oxytetracycline (mg/kg (ppm))	18	17	347.82	52.473	346.57	56.856	17.237	16.41%	18.991	6.63%
377	Pyrantel Tartrate (mg/kg (ppm))	1	1	2.2500							
386	Tiamulin (mg/kg (ppm))	2	2	0.43500	0.16263						
393	Ractopamine Hydrochloride (mg/kg (ppm))	3	3	135.55	135.67	135.55	135.67	78.329	100.09%	9.6731	7.64%
400	Water activity (Units)	9	9	0.59506	0.01602	0.59506	0.01817	0.00757	3.05%	0.00297	
412	#N/A	1	1	18.765							
516	Arsenic, total (mg / kg (ppm))	9	9	0.32179	0.08842	0.32716	0.06748	0.02812	20.63%	0.02040	18.93%
518	Cadmium (mg / kg (ppm))	10	9	0.16629	0.03766	0.16316	0.01560	0.00650	9.56%	0.00641	21.02%
520	Chromium (mg / kg (ppm))	8	8	5.1746	2.9675	5.1746	3.3652	1.4872	65.03%	0.55845	12.49%
526	Lead (mg / kg (ppm))	8	8	0.59916	0.13784	0.60030	0.15377	0.06796	25.62%	0.02274	17.27%
539	Nickel (mg / kg (ppm))	4	4	2.7996	0.39520	2.7996	0.39520	0.19760	14.12%	0.13745	13.70%

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.