



Animal Feed Scheme
Pig Grower, Medicated
Test Material Code # 202026

Analyte Summary Report

Labs Reporting: 177
Analytes Reported: 117
Issue Date : 07/31/2020

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO #fp Robust SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
000	Urea (%)	1	1	0.3000							
001	Loss on Drying (%)	76	76	9.377	0.5028	9.426	0.3403	0.0488	3.61%	0.1178	2.85%
002	Protein, Crude (%)	168	166	16.10	0.5158	16.07	0.2604	0.0253	1.62%	0.1294	2.49%
003	Fat, Crude (%)	140	137	2.505	0.4598	2.502	0.4166	0.0445	16.65%	0.0955	3.48%
004	Fiber, Crude (%)	111	109	3.781	0.6622	3.725	0.3718	0.0445	9.98%	0.1250	3.28%
005	Ash (%)	112	111	8.854	0.6164	8.893	0.5216	0.0619	5.87%	0.0843	2.88%
006	Total Sugars (%)	5	4	3.728	0.1594	3.728	0.1594	0.0797	4.28%	0.0858	3.28%
008	Fiber, Acid Detergent (%)	52	51	5.070	0.4130	5.052	0.3852	0.0674	7.62%	0.1823	3.13%
009	Fiber, Neutral Detergent (%)	52	50	12.92	1.206	12.80	0.9173	0.1622	7.16%	0.3396	2.73%
010	Moisture (%)	20	19	9.622	0.5125	9.584	0.4879	0.1399	5.09%	0.0878	2.85%
011	Loss on Drying (%)	65	63	10.42	0.5042	10.43	0.5075	0.0799	4.87%	0.1045	2.81%
012	Starch (%)	35	34	40.05	2.338	39.98	2.293	0.4916	5.74%	0.5604	1.58%
013	Fat, Acid Pretreat (%)	46	45	3.557	0.6463	3.624	0.5298	0.0987	14.62%	0.1224	3.30%
015	Aluminum (ppm)	18	18	97.49	14.54	98.77	11.40	3.359	11.54%	5.035	8.01%
017	Boron (ppm)	20	19	7.953	1.139	7.934	1.252	0.3590	15.78%	0.3108	11.71%
019	Calcium (%)	120	118	2.191	0.1398	2.192	0.1184	0.0136	5.40%	0.0490	3.55%
021	Cobalt (ppm)	23	21	0.9901	0.2712	0.9901	0.3076	0.0839	31.07%	0.0725	16.02%
022	Copper (ppm)	83	83	43.97	3.903	44.29	3.112	0.4270	7.03%	1.792	9.04%
023	Fluorine (ppm)	1	1	23.00							
024	Iodine (ppm)	1	1	3.450							
025	Iron (ppm)	80	77	616.4	114.4	641.2	48.63	6.928	7.58%	14.06	6.05%
027	Magnesium (%)	72	72	0.2066	0.0101	0.2066	0.0103	0.0015	4.99%	0.0055	5.07%
028	Manganese (ppm)	86	86	123.2	9.124	123.2	7.881	1.062	6.40%	3.307	7.75%
031	Phosphorus (%)	119	117	0.7630	0.0566	0.7597	0.0369	0.0043	4.86%	0.0189	4.17%
032	Potassium (%)	73	73	0.8019	0.0466	0.8001	0.0411	0.0060	5.14%	0.0194	4.14%
033	Salt as chloride (%)	69	67	1.100	0.1658	1.109	0.0872	0.0133	7.86%	0.0226	3.94%
034	Selenium (ppm)	26	24	1.206	0.4009	1.172	0.2072	0.0529	17.68%	0.0537	15.62%
035	Sodium (%)	79	77	0.4118	0.0243	0.4110	0.0231	0.0033	5.62%	0.0094	4.57%
036	Sulfur (%)	42	42	0.2882	0.0339	0.2856	0.0182	0.0035	6.36%	0.0105	4.83%

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO ffp Robust SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
037	Zinc (ppm)	87	86	388.5	28.46	388.6	26.65	3.592	6.86%	12.30	6.52%
038	Molybdenum (ppm)	20	19	1.110	0.2329	1.087	0.1844	0.0529	16.98%	0.0576	15.80%
040	Barium (ppm)	2	2	8.232	0.3008						
041	Vanadium (ppm)	2	2	1.383	0.1025						
042	Chloride (%)	3	3	0.6900	0.0305	0.6900	0.0305	0.0176	4.42%	0.0100	4.23%
101	Choline Chloride (ppm)	3	3	2,034	537.0	2,034	537.0	310.0	26.40%	136.0	5.08%
102	Niacin (ppm)	4	4	52.52	21.93	52.52	21.93	10.96	41.76%	4.170	8.81%
103	Pantothenic Acid (ppm)	3	3	58.67	45.44	58.67	45.44	26.24	77.46%	8.467	8.67%
104	Riboflavin (ppm)	8	8	9.012	2.140	9.065	2.306	1.019	25.44%	1.125	11.48%
105	Thiamine (ppm)	3	3	2.610	0.4344	2.610	0.4344	0.2508	16.64%	0.0667	13.85%
106	Vitamin A (KU / kg)	17	16	3.724	4.412	2.576	2.103	0.6573	81.66%	1.089	
107	Vitamin B12 (ppb)	2	2	26.25	19.87						
108	Vitamin D3 (KU / kg)	7	3	0.5108	0.3148	0.5108	0.3148	0.2272	61.62%	0.0763	
109	Vitamin E (IU / kg)	13	13	43.99	13.82	41.45	7.829	2.714	18.89%	4.001	
111	Vitamin C, Phosphorylated (ppm)	1		0.0440							
112	Pyridoxine (µg / g)	1	1	2.690							
113	Folic Acid (ppm)	1	1	0.6835							
114	Biotin (ppm)	1	1	0.2460							
118	Peroxide value (meq/kg)	1	1	7.555							
120	Alanine (%)	29	29	0.7963	0.0328	0.7984	0.0247	0.0057	3.09%	0.0116	4.14%
121	Arginine (%)	28	27	1.001	0.0545	0.9948	0.0403	0.0097	4.05%	0.0157	4.00%
122	Aspartic (%)	29	28	1.398	0.0642	1.400	0.0425	0.0100	3.03%	0.0224	3.80%
124	Cysteine/Cystine (%)	29	28	0.2589	0.0266	0.2589	0.0220	0.0052	8.48%	0.0094	4.90%
125	Glutamic (%)	29	28	2.777	0.1319	2.786	0.1174	0.0277	4.21%	0.0442	3.43%
126	Glycine (%)	29	27	0.7516	0.0359	0.7510	0.0246	0.0059	3.28%	0.0112	4.18%
127	Histidine (%)	29	28	0.3940	0.0272	0.3919	0.0222	0.0052	5.66%	0.0094	4.61%
128	Isoleucine (%)	30	28	0.5746	0.0401	0.5742	0.0318	0.0075	5.54%	0.0118	4.35%
129	Leucine (%)	30	28	1.211	0.0546	1.214	0.0443	0.0105	3.64%	0.0158	3.88%
130	L-Lysine (%)	33	32	0.7348	0.0459	0.7323	0.0392	0.0087	5.35%	0.0159	4.19%
131	Methionine (%)	30	29	0.2408	0.0252	0.2413	0.0184	0.0043	7.62%	0.0069	4.95%
132	Phenylalanine (%)	30	28	0.7108	0.0395	0.7097	0.0367	0.0087	5.17%	0.0089	4.21%
133	Proline (%)	28	27	0.9349	0.1664	0.9641	0.0680	0.0164	7.06%	0.0224	4.02%
134	Serine (%)	29	28	0.7211	0.0504	0.7197	0.0414	0.0098	5.76%	0.0128	4.20%
135	Threonine (%)	30	28	0.5476	0.0342	0.5534	0.0207	0.0049	3.74%	0.0125	4.37%
136	Tryptophan (%)	19	18	0.2039	0.0625	0.1955	0.0234	0.0069	11.95%	0.0051	5.11%
137	Tyrosine (%)	24	22	0.4870	0.0672	0.4860	0.0679	0.0181	13.97%	0.0136	4.46%
138	Valine (%)	30	28	0.6991	0.0396	0.7016	0.0379	0.0090	5.40%	0.0142	4.22%
139	Taurine (%)	4	2	0.0478	0.0598	0.0478	0.0598	0.0422	125.13%	0.0025	6.32%
150	Phytase (Units / kg)	5	4	828.0	351.6	828.0	351.6	175.8	42.46%	20.28	
160	Fructose (%)	3	3	0.1755	0.0689	0.1755	0.0689	0.0398	39.26%	0.0150	5.20%

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO ffp Robust SD	Uncertainty (U) - Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
161	Galactose (%)	1		0.0000							
162	Glucose (%)	4	3	0.2217	0.1487	0.2217	0.1487	0.0858	67.08%	0.0133	5.02%
163	Lactose (%)	3									
164	Maltose (%)	2	1	0.2675							
165	Sucrose (%)	3	3	1.901	0.1578	1.901	0.1578	0.0911	8.30%	0.0577	3.63%
166	Raffinose (%)	3	3	0.3635	0.0253	0.3635	0.0253	0.0146	6.97%	0.0103	4.66%
167	Stachyose (%)	3	3	0.7032	0.0129	0.7032	0.0129	0.0074	1.83%	0.0157	4.22%
351	Chlortetracycline (ppm)	6	6	2.590	1.148	2.590	1.301	0.6642	50.24%	0.2486	13.86%
382	Sulfamethazine (ppm)	3	3	3.159	1.189	3.159	1.189	0.6866	37.65%	0.3105	13.45%
386	Tiamulin (ppm)	8	8	112.8	25.25	114.4	17.59	7.774	15.38%	4.764	7.84%
388	Tylosin (ppm)	10	9	59.41	14.79	58.22	13.91	5.796	23.89%	0.7189	8.68%
400	Water Activity (Units)	11	11	0.5433	0.0209	0.5402	0.0148	0.0056	2.74%	0.0055	
516	Arsenic, Total (ppm)	13	10	0.1504	0.0217	0.1471	0.0155	0.0061	10.54%	0.0037	21.35%
518	Cadmium (ppm)	16	12	0.1209	0.0368	0.1123	0.0155	0.0056	13.79%	0.0055	22.00%
520	Chromium (ppm)	13	13	3.430	1.153	3.419	1.283	0.4448	37.52%	0.0804	13.29%
526	Lead (ppm)	15	11	0.1908	0.0413	0.1949	0.0249	0.0094	12.80%	0.0138	20.46%
529	Mercury (ppb)	3									
539	Nickel (ppm)	8	8	2.435	0.4527	2.434	0.5133	0.2269	21.09%	0.0456	13.99%
702	Butyric Acid (4:0) (%)	1		0.0000							
704	Caproic Acid (6:0) (%)	1	1	0.0115							
706	Caprylic acid (8:0) (%) (w/w)	1	1	0.0105							
708	Capric acid (10:0) (%) (w/w)	1	1	0.0155							
710	Lauric Acid (12:0) (%) (w/w)	4	3	0.0123	0.0108	0.0123	0.0108	0.0062	87.19%	0.0013	7.75%
714	Myristic Acid (14:0) (%) (w/w)	3	3	0.0172	0.0128	0.0172	0.0128	0.0074	74.49%	0.0010	7.37%
716	Palmitic Acid (16:0) (%) (w/w)	3	3	0.5832	0.1204	0.5832	0.1204	0.0695	20.65%	0.0117	4.34%
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	3	3	0.0195	0.0191	0.0195	0.0191	0.0110	97.74%	0.0017	7.23%
722	Stearic Acid (18:0) (%) (w/w)	3	3	0.0953	0.0192	0.0953	0.0192	0.0111	20.13%	0.0020	5.70%
724	Oleic Acid (9c-18:1) (%) (w/w)	3	3	0.7178	0.1093	0.7178	0.1093	0.0631	15.23%	0.0090	4.20%
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	5	5	1.446	0.0970	1.446	0.0970	0.0434	6.71%	0.0216	3.78%
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	4	4	0.0699	0.0066	0.0699	0.0066	0.0033	9.39%	0.0018	5.97%
730	Arachidic Acid (20:0) (%) (w/w)	3	3	0.0220	0.0165	0.0220	0.0165	0.0095	75.09%	0.0013	7.10%
732	Gondoic Acid (11c-20:1) (%) (w/w)	3	3	0.0228	0.0184	0.0228	0.0184	0.0106	80.38%	0.0017	7.06%
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	2	1	0.0020							
738	Mead Acid (11c,14c,17c-20:3) (%) (w/w)	1		0.0000							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w)	3									
742	Behenic Acid (22:0) (%) (w/w)	2	2	0.0098	0.0046						
744	Erucic Acid (13c-22:1) (%) (w/w)	2		0.0000							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%) (w/w)	3									
748	Lignoceric Acid (24:0) (%) (w/w)	1	1	0.0090							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%) (w/w)	3									

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO ffp Robust SD	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Thompson Horwitz %RSD
752	Nervonic Acid (24:1) isomers (% (w/w))	2		0.0000							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	3	3	0.0728	0.0119	0.0728	0.0119	0.0069	16.33%	0.0009	5.93%
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	3	3	1.445	0.1400	1.445	0.1400	0.0808	9.69%	0.0247	3.78%
758	Total Saturated Fatty Acids (% (w/w))	1	1	0.9225							
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	0.9150							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	1.696							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	3.735							
772	Total Fatty Acids (% (w/w))	2	2	3.215	0.5024						

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. Robust Assigned Values indicated in bold font.