



AAFCO
Proficiency Testing Program



Animal Feed Scheme
Swine Feed, Medicated
Test Material Code # 202032

Analyte Summary Report

Labs Reporting: 174
Analytes Reported: 121
Issue Date : 01/31/2021

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	0.4500							
001	Loss on Drying (%)	74	73	9.137	0.5033	9.200	0.3017	0.0441	3.28%	0.1139	2.86%
002	Protein, Crude (%)	168	163	15.69	0.4386	15.65	0.3151	0.0309	2.01%	0.1876	2.53%
003	Fat, Crude (%)	140	136	2.121	0.4008	2.109	0.3566	0.0382	16.91%	0.0979	3.57%
004	Fiber, Crude (%)	112	108	3.993	0.5398	3.963	0.4821	0.0580	12.17%	0.1501	3.25%
005	Ash (%)	131	129	11.50	0.8956	11.62	0.5545	0.0610	4.77%	0.1456	2.77%
006	Total Sugars (%)	8	8	3.797	1.211	3.958	0.9653	0.4266	24.39%	0.1688	3.25%
008	Fiber, Acid Detergent (%)	61	59	5.333	0.5281	5.276	0.3816	0.0621	7.23%	0.1954	3.11%
009	Fiber, Neutral Detergent (%)	58	57	13.69	0.9853	13.66	0.8990	0.1488	6.58%	0.3296	2.70%
010	Moisture (%)	25	24	9.502	0.6383	9.398	0.4252	0.1085	4.52%	0.1174	2.85%
011	Loss on Drying (%)	68	67	9.874	0.3668	9.885	0.3608	0.0551	3.65%	0.1019	2.83%
012	Starch (%)	36	35	37.28	3.438	37.62	1.960	0.4141	5.21%	0.4217	1.63%
013	Fat, Acid Pretreat (%)	54	52	3.178	0.5949	3.181	0.5094	0.0883	16.01%	0.1199	3.36%
015	Aluminum (ppm)	18	17	170.7	27.79	169.0	27.00	8.187	15.98%	7.272	7.39%
017	Boron (ppm)	20	18	7.518	1.338	7.417	1.287	0.3791	17.35%	0.4175	11.83%
019	Calcium (%)	120	119	2.794	0.2012	2.794	0.1796	0.0206	6.43%	0.0771	3.43%
021	Cobalt (ppm)	28	28	2.410	0.5286	2.448	0.4901	0.1158	20.02%	0.2502	13.98%
022	Copper (ppm)	90	89	100.3	8.312	99.81	7.609	1.008	7.62%	4.241	8.00%
024	Iodine (ppm)	2	2	5.901	0.7414						
025	Iron (ppm)	81	80	787.5	149.6	814.2	85.49	11.95	10.50%	26.60	5.83%
027	Magnesium (%)	90	86	0.2805	0.0196	0.2805	0.0159	0.0021	5.68%	0.0073	4.84%
028	Manganese (ppm)	89	86	229.5	22.96	230.8	20.47	2.759	8.87%	8.150	7.05%
031	Phosphorus (%)	117	115	0.9995	0.0662	1.004	0.0484	0.0056	4.82%	0.0296	4.00%
032	Potassium (%)	86	85	0.8526	0.0705	0.8497	0.0519	0.0070	6.11%	0.0223	4.10%
033	Salt as chloride (%)	66	64	1.995	0.1049	2.001	0.0662	0.0103	3.31%	0.0410	3.60%
034	Selenium (ppm)	25	23	2.516	0.4013	2.569	0.2898	0.0755	11.28%	0.1971	13.88%
035	Sodium (%)	86	84	0.7232	0.0467	0.7251	0.0424	0.0058	5.85%	0.0185	4.20%
036	Sulfur (%)	47	47	0.3436	0.0328	0.3439	0.0296	0.0054	8.62%	0.0127	4.70%
037	Zinc (ppm)	89	86	530.1	65.71	536.4	37.10	5.001	6.92%	14.68	6.21%

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038	Molybdenum (ppm)	23	22	2.049	0.2283	2.033	0.2110	0.0562	10.38%	0.0683	14.38%
040	Barium (ppm)	3	3	7.993	0.2969	7.993	0.2969	0.1714	3.71%	0.2493	11.70%
041	Vanadium (ppm)	2	2	2.511	0.0689						
042	Chloride (%)	10	10	1.241	0.0964	1.237	0.0661	0.0261	5.34%	0.0210	3.87%
101	Choline Chloride (ppm)	1	1	2,430							
102	Niacin (ppm)	3	3	67.70	27.57	67.70	27.57	15.92	40.72%	3.133	8.48%
103	Pantothenic Acid (ppm)	2	2	33.75	0.6364						
104	Riboflavin (ppm)	5	5	10.32	2.474	10.32	2.474	1.106	23.97%	1.064	11.26%
105	Thiamine (ppm)	2	2	2.580	0.4313						
106	Vitamin A (KU / kg)	11	4	1.869	0.9102	1.869	0.9102	0.5689	48.71%	0.1625	
107	Vitamin B12 (ppb)	1	1	17.40							
108	Vitamin D3 (KU / kg)	5	4	2.531	0.0847	2.531	0.0847	0.0423	3.35%	0.9225	
109	Vitamin E (IU / kg)	9	9	47.53	5.574	47.85	5.562	2.317	11.62%	2.708	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	1	1	3.310							
113	Folic Acid (ppm)	1	1	0.8205							
114	Biotin (ppm)	1	1	0.2000							
115	Non Protein N (NPN) (%)	1	1	0.5350							
118	Peroxide value (meq/kg)	1	1	8.325							
120	Alanine (%)	32	31	0.7235	0.0478	0.7266	0.0471	0.0106	6.48%	0.0080	4.20%
121	Arginine (%)	30	29	0.9122	0.0729	0.9211	0.0594	0.0138	6.45%	0.0122	4.05%
122	Aspartic (%)	32	32	1.255	0.1380	1.276	0.0861	0.0190	6.75%	0.0229	3.86%
124	Cysteine/Cystine (%)	30	29	0.2537	0.0291	0.2561	0.0254	0.0059	9.92%	0.0101	4.91%
125	Glutamic (%)	32	32	2.738	0.1882	2.765	0.1380	0.0305	4.99%	0.0427	3.43%
126	Glycine (%)	32	31	0.7307	0.0751	0.7411	0.0394	0.0088	5.31%	0.0138	4.18%
127	Histidine (%)	32	32	0.3805	0.0319	0.3800	0.0291	0.0064	7.66%	0.0091	4.63%
128	Isoleucine (%)	32	31	0.5357	0.0562	0.5388	0.0553	0.0124	10.26%	0.0088	4.39%
129	Leucine (%)	32	31	1.104	0.0611	1.108	0.0581	0.0131	5.25%	0.0157	3.94%
130	L-Lysine (%)	34	34	0.6878	0.0587	0.6967	0.0394	0.0084	5.65%	0.0161	4.22%
131	Methionine (%)	32	32	0.2172	0.0333	0.2165	0.0297	0.0066	13.71%	0.0067	5.04%
132	Phenylalanine (%)	32	31	0.6625	0.0475	0.6684	0.0371	0.0083	5.55%	0.0125	4.25%
133	Proline (%)	30	29	0.9656	0.1046	0.9596	0.0625	0.0145	6.52%	0.0161	4.02%
134	Serine (%)	32	31	0.6801	0.0665	0.6866	0.0431	0.0097	6.27%	0.0090	4.23%
135	Threonine (%)	32	31	0.5133	0.0420	0.5211	0.0247	0.0055	4.74%	0.0058	4.41%
136	Tryptophan (%)	17	17	0.2024	0.0631	0.2014	0.0396	0.0120	19.63%	0.0052	5.09%
137	Tyrosine (%)	27	26	0.4351	0.0661	0.4361	0.0682	0.0167	15.64%	0.0061	4.53%
138	Valine (%)	32	32	0.6604	0.0608	0.6685	0.0486	0.0107	7.27%	0.0148	4.25%
139	Taurine (%)	4	2	0.0421	0.0550	0.0421	0.0550	0.0389	130.67%	0.0004	6.44%
150	Phytase (Units / kg)	3	3	605.1	528.0	605.1	528.0	304.8	87.26%	69.38	
160	Fructose (%)	4	3	0.1808	0.0955	0.1808	0.0955	0.0552	52.83%	0.0303	5.17%

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161	Galactose (%)	1		0.0000							
162	Glucose (%)	5	3	0.1635	0.0764	0.1635	0.0764	0.0441	46.73%	0.0150	5.25%
163	Lactose (%)	3									
164	Maltose (%)	2	1	0.4550							
165	Sucrose (%)	4	3	1.878	0.0895	1.878	0.0895	0.0517	4.76%	0.0433	3.64%
166	Raffinose (%)	3	3	0.5443	0.1548	0.5443	0.1548	0.0894	28.44%	0.0573	4.38%
167	Stachyose (%)	3	3	0.7915	0.2256	0.7915	0.2256	0.1302	28.50%	0.0583	4.14%
345	Amprolium (ppm)	2	2	0.5403	0.4960						
351	Chlortetracycline (ppm)	14	13	236.7	35.18	238.5	35.42	12.28	14.86%	8.084	7.02%
354	Decoquinatate (ppm)	5	5	0.5908	0.0911	0.5908	0.0911	0.0407	15.42%	0.0293	17.32%
361	Lasalocid Sodium (ppm)	6	3	0.2234	0.0752	0.2234	0.0752	0.0542	33.65%	0.0123	20.05%
365	Monensin (ppm)	1		0.2500							
386	Tiamulin (ppm)	8	7	108.3	22.66	108.3	25.70	12.14	23.73%	2.145	7.90%
400	Water Activity (Units)	11	11	0.4977	0.0309	0.5003	0.0285	0.0107	5.69%	0.0068	
516	Arsenic, Total (ppm)	12	10	0.2957	0.0400	0.2919	0.0358	0.0141	12.25%	0.0284	19.25%
518	Cadmium (ppm)	14	13	0.2091	0.0309	0.2039	0.0190	0.0066	9.32%	0.0085	20.32%
520	Chromium (ppm)	13	13	4.986	1.014	4.913	0.9697	0.3362	19.73%	0.2065	12.59%
526	Lead (ppm)	12	10	0.2174	0.0316	0.2160	0.0293	0.0116	13.56%	0.0203	20.15%
529	Mercury (ppb)	3	1								
539	Nickel (ppm)	8	7	2.642	0.6521	2.642	0.7394	0.3494	27.99%	0.0490	13.82%
702	Butyric Acid (4:0) (%)	1		0.0200							
704	Caproic Acid (6:0) (%)	2		0.0100							
706	Caprylic acid (8:0) (%) (w/w)	2		0.0100							
708	Capric acid (10:0) (%) (w/w)	2		0.0100							
710	Lauric Acid (12:0) (%) (w/w)	3									
714	Myristic Acid (14:0) (%) (w/w)	3	1								
716	Palmitic Acid (16:0) (%) (w/w)	3	3	0.5182	0.0291	0.5182	0.0291	0.0168	5.62%	0.0143	4.42%
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	3	2	0.0105	0.0007	0.0105	0.0007	0.0005	6.76%	0.0000	7.94%
720	Margaric acid (17:0) (%) (w/w)	1		0.0200							
722	Stearic Acid (18:0) (%) (w/w)	3	3	0.1018	0.0119	0.1018	0.0119	0.0068	11.65%	0.0063	5.64%
724	Oleic Acid (9c-18:1) (%) (w/w)	3	3	0.6633	0.0885	0.6633	0.0885	0.0511	13.34%	0.0127	4.25%
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	2	2	1.178	0.0226						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	3	3	0.0703	0.0015	0.0703	0.0015	0.0009	2.18%	0.0000	5.96%
730	Arachidic Acid (20:0) (%) (w/w)	3	2	0.0090	0.0014	0.0090	0.0014	0.0010	15.67%	0.0000	8.13%
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	1	0.0145							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	2		0.0100							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w)	3									
742	Behenic Acid (22:0) (%) (w/w)	3	1								
744	Erucic Acid (13c-22:1) (%) (w/w)	3	1								
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%)	2		0.0000							

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748	Lignoceric Acid (24:0) (% (w/w))	2	1	0.0075							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%)	3									
752	Nervonic Acid (24:1) isomers (% (w/w))	2		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	1	1	0.0740							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	1.204							
758	Total Saturated Fatty Acids (% (w/w))	2	2	0.7005	0.0064						
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	0.8350							
764	Total cis Monounsaturated Fatty Acids (% (w/w))	1	1	0.7055							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	1.330							
768	Total cis Polyunsaturated Fatty Acids (% (w/w))	1	1	1.284							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	2.839							
772	Total Fatty Acids (% (w/w))	2	2	2.591	0.1778						

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.