



AAFCO
Proficiency Testing Program



Animal Feed Scheme
Pig Feed, Residue
Test Material Code # 202124

Analyte Summary Report

Labs Reporting: 167
Analytes Reported: 121
Issue Date : 05/31/2021

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	0.5000							
001	Loss on Drying (%)	73	72	9.917	0.5771	9.976	0.3337	0.0492	3.35%	0.1088	2.83%
002	Protein, Crude (%)	167	165	16.40	0.4241	16.37	0.2784	0.0271	1.70%	0.1570	2.47%
003	Fat, Crude (%)	141	139	2.267	0.3068	2.250	0.2103	0.0223	9.35%	0.0946	3.54%
004	Fiber, Crude (%)	113	111	3.636	0.4851	3.629	0.3991	0.0473	11.00%	0.1706	3.29%
005	Ash (%)	128	125	9.470	0.6295	9.537	0.4773	0.0534	5.01%	0.1278	2.85%
006	Total Sugars (%)	8	7	4.107	0.8631	4.107	0.9787	0.4624	23.83%	0.0616	3.23%
008	Fiber, Acid Detergent (%)	62	61	4.956	0.5650	4.906	0.4400	0.0704	8.97%	0.1770	3.15%
009	Fiber, Neutral Detergent (%)	61	59	13.42	1.071	13.27	0.8482	0.1380	6.39%	0.3446	2.71%
010	Moisture (%)	19	18	10.09	1.034	10.14	0.5464	0.1610	5.39%	0.0983	2.82%
011	Loss on Drying, HT (%)	70	67	10.64	0.4274	10.67	0.3517	0.0537	3.29%	0.1119	2.80%
012	Starch (%)	39	37	38.49	2.667	38.44	2.298	0.4723	5.98%	0.5425	1.61%
013	Fat, Acid Pretreat (%)	51	50	3.232	0.5164	3.212	0.5083	0.0899	15.82%	0.1542	3.36%
015	Aluminum (ppm)	19	18	103.3	30.10	107.4	22.88	6.740	21.30%	5.658	7.91%
017	Boron (ppm)	19	18	8.330	1.009	8.261	0.8643	0.2546	10.46%	0.2903	11.64%
019	Calcium (%)	119	117	2.377	0.1954	2.378	0.1326	0.0153	5.58%	0.0706	3.51%
021	Cobalt (ppm)	28	27	1.205	0.3465	1.186	0.2996	0.0721	25.27%	0.0948	15.59%
022	Copper (ppm)	89	86	51.88	8.105	51.76	3.946	0.5319	7.62%	2.165	8.83%
024	Iodine (ppm)	2	2	2.588	0.4278						
025	Iron (ppm)	79	77	679.5	86.42	689.0	65.87	9.383	9.56%	20.15	5.98%
027	Magnesium (%)	92	89	0.2209	0.0164	0.2206	0.0136	0.0018	6.17%	0.0062	5.02%
028	Manganese (ppm)	87	85	141.1	18.81	142.3	9.480	1.285	6.66%	5.236	7.59%
031	Phosphorus (%)	121	118	0.8337	0.0579	0.8353	0.0453	0.0052	5.43%	0.0199	4.11%
032	Potassium (%)	88	86	0.8115	0.0616	0.8088	0.0500	0.0067	6.18%	0.0216	4.13%
033	Salt as chloride (%)	63	61	1.183	0.0885	1.197	0.0583	0.0093	4.87%	0.0244	3.89%
034	Selenium (ppm)	26	24	1.353	0.3254	1.307	0.2143	0.0547	16.40%	0.0707	15.36%
035	Sodium (%)	85	84	0.4666	0.0524	0.4694	0.0305	0.0042	6.50%	0.0143	4.48%
036	Sulfur (%)	48	47	0.6828	2.321	0.3446	0.0288	0.0053	8.36%	0.0112	4.70%
037	Zinc (ppm)	92	91	407.7	37.63	408.0	30.50	3.996	7.48%	12.45	6.47%

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038	Molybdenum (ppm)	28	27	1.245	0.4820	1.187	0.1437	0.0346	12.11%	0.1369	15.59%
040	Barium (ppm)	2	2	9.311	0.8414						
041	Vanadium (ppm)	1	1	1.944							
042	Chloride (%)	6	6	0.7606	0.0720	0.7534	0.0643	0.0328	8.53%	0.0185	4.17%
101	Choline Chloride (ppm)	1	1	2,525							
102	Niacin (ppm)	4	3	50.83	40.55	50.83	40.55	23.41	79.77%	1.400	8.86%
103	Pantothenic Acid (ppm)	3	3	34.30	1.015	34.30	1.015	0.5860	2.96%	1.867	9.40%
104	Riboflavin (ppm)	7	7	12.23	5.253	11.18	3.227	1.525	28.86%	0.8500	11.12%
105	Thiamine (ppm)	2	2	3.495	0.3536						
106	Vitamin A (KU / kg)	11	11	3.133	3.163	2.319	0.8157	0.3074	35.18%	0.6083	
107	Vitamin B12 (ppb)	1	1	15.65							
108	Vitamin D3 (KU / kg)	6	5	0.4090	0.1926	0.4090	0.1926	0.1077	47.10%	0.0388	
109	Vitamin E (IU / kg)	14	13	52.12	12.13	50.71	9.883	3.426	19.49%	2.771	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	1	1	3.070							
113	Folic Acid (ppm)	1	1	0.6380							
114	Biotin (ppm)	1	1	0.1820							
115	Non Protein N (NPN) (%)	1	1	0.7050							
118	Peroxide value (meq/kg)	1	1	3.525							
120	Alanine (%)	32	31	0.7682	0.0482	0.7692	0.0385	0.0086	5.00%	0.0113	4.16%
121	Arginine (%)	31	31	0.9648	0.0645	0.9742	0.0467	0.0105	4.79%	0.0158	4.02%
122	Aspartic (%)	32	31	1.329	0.1287	1.323	0.0866	0.0194	6.55%	0.0189	3.83%
124	Cysteine/Cystine (%)	33	33	0.2704	0.0547	0.2692	0.0359	0.0078	13.35%	0.0100	4.87%
125	Glutamic (%)	31	31	2.904	0.2044	2.913	0.1809	0.0406	6.21%	0.0450	3.41%
126	Glycine (%)	32	30	0.7654	0.0309	0.7656	0.0315	0.0072	4.11%	0.0159	4.16%
127	Histidine (%)	32	31	0.3946	0.0307	0.3937	0.0256	0.0058	6.51%	0.0078	4.60%
128	Isoleucine (%)	32	31	0.5779	0.0566	0.5788	0.0470	0.0106	8.12%	0.0123	4.34%
129	Leucine (%)	32	32	1.174	0.0789	1.169	0.0510	0.0113	4.36%	0.0181	3.91%
130	L-Lysine (%)	33	32	0.7307	0.0916	0.7329	0.0416	0.0092	5.67%	0.0135	4.19%
131	Methionine (%)	33	33	0.2258	0.0301	0.2288	0.0231	0.0050	10.11%	0.0087	4.99%
132	Phenylalanine (%)	32	32	0.7117	0.0463	0.7079	0.0370	0.0082	5.22%	0.0166	4.21%
133	Proline (%)	31	31	1.020	0.0871	1.013	0.0556	0.0125	5.49%	0.0249	3.99%
134	Serine (%)	32	31	0.7048	0.0648	0.7051	0.0485	0.0109	6.88%	0.0146	4.22%
135	Threonine (%)	32	32	0.5403	0.0504	0.5384	0.0276	0.0061	5.12%	0.0115	4.39%
136	Tryptophan (%)	21	20	0.1987	0.0647	0.1916	0.0263	0.0074	13.74%	0.0093	5.13%
137	Tyrosine (%)	27	26	0.4842	0.0695	0.4819	0.0723	0.0177	15.00%	0.0115	4.46%
138	Valine (%)	32	31	0.7081	0.0627	0.7125	0.0496	0.0111	6.96%	0.0164	4.21%
139	Taurine (%)	5	3	0.0817	0.0780	0.0817	0.0780	0.0450	95.51%	0.0007	5.83%
150	Phytase (Units / kg)	2	2	825.5	239.7						
160	Fructose (%)	3	3	0.2797	0.1050	0.2797	0.1050	0.0606	37.54%	0.0340	4.85%

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161	Galactose (%)	1		0.0000							
162	Glucose (%)	3	3	0.2748	0.1358	0.2748	0.1358	0.0784	49.42%	0.0670	4.86%
163	Lactose (%)	3									
164	Maltose (%)	3	2	0.5045	0.3140	0.5045	0.3140	0.2220	62.23%	0.1080	4.43%
165	Sucrose (%)	3	3	1.992	0.1636	1.992	0.1636	0.0944	8.21%	0.0830	3.61%
166	Raffinose (%)	2	2	0.4503	0.0074						
167	Stachyose (%)	2	2	0.6013	0.0831						
351	Chlortetracycline (ppm)	4	3	0.6266	0.0385	0.6266	0.0385	0.0222	6.14%	0.0500	17.16%
354	Decoquinatate (ppm)	5	4	0.2861	0.0550	0.2861	0.0550	0.0275	19.22%	0.0268	19.31%
361	Lasalocid Sodium (ppm)	8	4	0.3226	0.0701	0.3226	0.0701	0.0438	21.73%	0.0318	18.97%
365	Monensin (ppm)	8	8	1.079	0.1968	1.079	0.2232	0.0986	20.69%	0.0404	15.82%
373	Oxytetracycline (ppm)	4	3	0.0854	0.0521	0.0854	0.0521	0.0301	61.02%	0.0223	22.00%
379	Salinomycin (ppm)	1		0.2500							
382	Sulfamethazine (ppm)	4	4	0.4548	0.0545	0.4548	0.0545	0.0273	11.99%	0.0075	18.01%
391	Narasin (ppm)	1		0.2500							
400	Water Activity (Units)	12	12	0.5579	0.0259	0.5556	0.0196	0.0071	3.52%	0.0054	
516	Arsenic, Total (ppm)	11	9	0.1747	0.0194	0.1733	0.0187	0.0078	10.80%	0.0158	20.82%
518	Cadmium (ppm)	14	13	0.1312	0.0232	0.1254	0.0070	0.0024	5.61%	0.0122	21.87%
520	Chromium (ppm)	15	14	3.579	0.8565	3.579	0.9712	0.3245	27.14%	0.1934	13.20%
526	Lead (ppm)	12	10	0.1703	0.0378	0.1703	0.0428	0.0169	25.15%	0.0127	20.88%
529	Mercury (ppb)	5	2	5.582	7.167	5.582	7.167	5.068	128.39%	2.383	22.00%
539	Nickel (ppm)	8	7	1.961	0.3486	1.961	0.3953	0.1867	20.16%	0.0661	14.46%
702	Butyric Acid (4:0) (%)	1		0.0200							
704	Caproic Acid (6:0) (%)	1		0.0200							
706	Caprylic acid (8:0) (%) (w/w)	1		0.0200							
708	Capric acid (10:0) (%) (w/w)	1		0.0200							
710	Lauric Acid (12:0) (%) (w/w)	2		0.0050							
714	Myristic Acid (14:0) (%) (w/w)	2	1	0.0070							
716	Palmitic Acid (16:0) (%) (w/w)	2	2	0.5033	0.0308						
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	2	1	0.0129							
720	Margaric acid (17:0) (%) (w/w)	1		0.0200							
722	Stearic Acid (18:0) (%) (w/w)	2	2	0.0950	0.0000						
724	Oleic Acid (9c-18:1) (%) (w/w)	2	2	0.5819	0.0168						
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	2	2	1.478	0.3288						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	2	2	0.2575	0.2511						
730	Arachidic Acid (20:0) (%) (w/w)	2	1	0.0085							
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	1	0.0139							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	1		0.0200							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w)	2		0.0000							
742	Behenic Acid (22:0) (%) (w/w)	2	1	0.0070							

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744	Erucic Acid (13c-22:1) (% (w/w))	2		0.0050							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%)	2		0.0050							
748	Lignoceric Acid (24:0) (% (w/w))	2	1	0.0085							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%)	2		0.0000							
752	Nervonic Acid (24:1) isomers (% (w/w))	2		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	1	1	0.0800							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	1.220							
758	Total Saturated Fatty Acids (% (w/w))	1	1	0.6750							
764	Total cis Monounsaturated Fatty Acids (% (w/w))	1	1	0.6400							
768	Total cis Polyunsaturated Fatty Acids (% (w/w))	1	1	1.310							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	2.760							
772	Total Fatty Acids (% (w/w))	2	2	2.598	0.0601						

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.