



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme
Swine Feed, Medicated
Test Material Code # 202325

Analyte Summary Report

Labs Reporting: 169
Analytes Reported: 116
Issue Date : 06/30/2023

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 (Rob R-bar)	Thompson Horwitz %RSD
000	Urea (%)	1	1	0.1000							
001	Loss on Drying (%)	75	73	10.56	0.5838	10.61	0.3995	0.0584	3.77%	0.1205	2.80%
002	Protein, Crude (%)	171	168	15.79	0.4048	15.77	0.2993	0.0289	1.90%	0.1485	2.52%
003	Fat, Crude (%)	140	137	4.623	0.3605	4.641	0.2729	0.0291	5.88%	0.1119	3.17%
004	Fiber, Crude (%)	118	113	4.398	0.4539	4.382	0.3182	0.0374	7.26%	0.1394	3.20%
005	Ash (%)	136	134	5.269	0.3338	5.259	0.2496	0.0270	4.75%	0.0644	3.12%
006	Total Sugars (%)	8	8	4.197	0.7723	4.197	0.8758	0.3871	20.87%	0.1669	3.22%
008	Fiber, Acid Detergent (%)	67	66	6.185	0.5621	6.184	0.4117	0.0633	6.66%	0.2057	3.04%
009	Fiber, Neutral Detergent (%)	64	62	17.45	1.154	17.42	0.9894	0.1571	5.68%	0.2522	2.40%
010	Moisture (%)	22	22	10.83	0.4443	10.81	0.4498	0.1199	4.16%	0.0916	2.80%
011	Loss on Drying, HT (%)	69	69	11.44	0.5220	11.49	0.4218	0.0635	3.67%	0.1440	2.77%
012	Starch (%)	39	37	36.14	1.962	36.13	2.150	0.4418	5.95%	0.5052	1.66%
013	Fat, Pretreat (%)	50	49	5.478	0.5175	5.463	0.5027	0.0898	9.20%	0.1955	3.10%
015	Aluminum (ppm)	15	14	32.24	10.73	32.24	12.16	4.063	37.73%	1.148	9.48%
017	Boron (ppm)	19	17	5.092	0.6931	5.085	0.7711	0.2338	15.17%	0.2770	12.52%
019	Calcium (%)	129	126	0.9477	0.0702	0.9466	0.0589	0.0066	6.23%	0.0223	4.03%
021	Cobalt (ppm)	21	16	0.3705	0.2181	0.3436	0.1671	0.0522	48.62%	0.0276	18.79%
022	Copper (ppm)	92	90	91.69	6.990	91.52	7.002	0.9226	7.65%	3.815	8.11%
025	Iron (ppm)	81	77	201.6	17.25	200.3	14.09	2.007	7.03%	6.075	7.20%
027	Magnesium (%)	88	87	0.1963	0.0126	0.1959	0.0105	0.0014	5.35%	0.0080	5.11%
028	Manganese (ppm)	88	86	105.9	8.452	106.4	6.828	0.9204	6.42%	3.475	7.93%
030	Nitrate (%)	1	1	0.0007							
031	Phosphorus (%)	123	120	0.5624	0.0400	0.5604	0.0278	0.0032	4.96%	0.0150	4.36%
032	Potassium (%)	89	88	0.7434	0.0546	0.7428	0.0422	0.0056	5.69%	0.0185	4.18%
033	Salt as chloride (%)	66	65	0.7389	0.1075	0.7480	0.0641	0.0099	8.57%	0.0204	4.18%
034	Selenium, Total (Se) (ppm)	21	18	0.6388	0.6740	0.4726	0.1722	0.0507	36.44%	0.0496	17.91%
035	Sodium (%)	89	87	0.2429	0.0206	0.2420	0.0157	0.0021	6.50%	0.0096	4.95%
036	Sulfur (%)	47	47	0.2306	0.0485	0.2287	0.0165	0.0030	7.21%	0.0106	4.99%
037	Zinc (ppm)	93	90	161.9	14.95	162.3	14.17	1.867	8.73%	4.167	7.44%

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038	Molybdenum (ppm)	23	22	1.302	0.1898	1.292	0.1881	0.0501	14.56%	0.0606	15.39%
040	Barium (ppm)	2	2	12.12	0.2701						
041	Vanadium (ppm)	1	1	0.2449							
042	Chloride (%)	6	6	0.4766	0.0118	0.4766	0.0133	0.0068	2.80%	0.0200	4.47%
101	Choline Chloride (ppm)	1	1	2,185							
102	Niacin (ppm)	2	2	50.78	66.65						
103	Pantothenic Acid (ppm)	2	2	33.48	1.732						
104	Riboflavin (ppm)	2	2	10.40	1.057						
105	Thiamine (ppm)	2	2	8.720	1.867						
106	Vitamin A (KU / kg)	9	8	6.535	2.180	6.376	2.093	0.9250	32.83%	2.118	
107	Vitamin B12 (ppb)	1	1	16.25							
108	Vitamin D3 (KU / kg)	3	3	3.182	2.188	3.182	2.188	1.263	68.76%	1.443	
109	Vitamin E (IU / kg)	8	7	67.36	10.58	68.13	10.18	4.812	14.95%	1.432	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	2	2	4.953	2.973						
113	Folic Acid (ppm)	1	1	1.900							
114	Biotin (ppm)	2	2	0.2480	0.1039						
115	Non Protein N (NPN) (%)	3	3	0.3378	0.2218	0.3378	0.2218	0.1281	65.66%	0.0401	4.71%
120	Alanine (%)	34	33	0.8466	0.0349	0.8485	0.0332	0.0072	3.91%	0.0128	4.10%
121	Arginine (%)	34	32	0.9348	0.0587	0.9342	0.0527	0.0116	5.64%	0.0187	4.04%
122	Aspartic (%)	34	33	1.218	0.0618	1.218	0.0391	0.0085	3.21%	0.0218	3.88%
124	Cysteine/Cystine (%)	35	34	0.2779	0.0269	0.2800	0.0198	0.0043	7.09%	0.0087	4.84%
125	Glutamic (%)	34	33	2.805	0.1739	2.797	0.1484	0.0323	5.31%	0.0373	3.43%
126	Glycine (%)	34	33	0.6983	0.0871	0.6987	0.0566	0.0123	8.09%	0.0170	4.22%
127	Histidine (%)	34	33	0.4040	0.0325	0.4019	0.0263	0.0057	6.53%	0.0108	4.59%
128	Isoleucine (%)	34	33	0.5484	0.0453	0.5482	0.0432	0.0094	7.88%	0.0148	4.38%
129	Leucine (%)	35	33	1.276	0.0842	1.288	0.0528	0.0115	4.10%	0.0177	3.85%
130	L-Lysine (%)	38	37	0.8541	0.0871	0.8519	0.0606	0.0125	7.11%	0.0197	4.10%
131	Methionine (%)	35	33	0.2486	0.0289	0.2443	0.0161	0.0035	6.60%	0.0078	4.94%
132	Phenylalanine (%)	34	33	0.6991	0.0532	0.6948	0.0331	0.0072	4.76%	0.0189	4.23%
133	Proline (%)	33	32	1.025	0.0657	1.027	0.0673	0.0149	6.55%	0.0240	3.98%
134	Serine (%)	35	34	0.7111	0.0730	0.7102	0.0636	0.0136	8.95%	0.0165	4.21%
135	Threonine (%)	35	34	0.5644	0.0437	0.5651	0.0273	0.0058	4.83%	0.0130	4.36%
136	Tryptophan (%)	24	23	0.1939	0.0515	0.1846	0.0230	0.0060	12.45%	0.0081	5.16%
137	Tyrosine (%)	30	30	0.4792	0.0631	0.4793	0.0515	0.0118	10.74%	0.0182	4.47%
138	Valine (%)	35	34	0.7096	0.0497	0.7111	0.0451	0.0097	6.35%	0.0186	4.21%
139	Taurine (%)	6	3	0.0297	0.0326	0.0297	0.0326	0.0235	109.81%		6.79%
150	Phytase (Units / kg)	3	3	2,371	1,065	2,371	1,065	614.8	44.92%	416.7	
160	Fructose (%)	4	4	0.2048	0.0529	0.2048	0.0529	0.0265	25.85%	0.0233	5.08%
161	Galactose (%)	1		0.0000							

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162	Glucose (%)	4	4	0.2774	0.0962	0.2774	0.0962	0.0481	34.67%	0.0218	4.85%
163	Lactose (%)	4									
164	Maltose (%)	3	3	0.2043	0.0354	0.2043	0.0354	0.0205	17.34%	0.0113	5.08%
165	Sucrose (%)	4	3	2.078	0.0076	2.078	0.0076	0.0044	0.37%	0.0650	3.58%
166	Raffinose (%)	2	2	0.7125	0.1167						
167	Stachyose (%)	2	1	0.5600							
351	Chlortetracycline (ppm)	13	13	57.20	13.39	56.85	14.40	4.993	25.33%	3.102	8.71%
382	Sulfamethazine (ppm)	9	9	104.3	29.03	103.6	31.31	13.05	30.23%	5.549	7.96%
388	Tylosin (ppm)	5	5	133.3	18.93	133.3	18.93	8.465	14.20%	5.370	7.66%
400	Water Activity (Units)	13	12	0.6081	0.0260	0.6073	0.0261	0.0094	4.30%	0.0043	
413	Starch, Resistant (%)	1	1	34.50							
516	Arsenic, Total (As) (ppm)	5	3	0.0367	0.0059	0.0367	0.0059	0.0034	15.98%	0.0056	22.00%
518	Cadmium (ppm)	10	8	0.0624	0.0069	0.0623	0.0076	0.0034	12.20%	0.0041	22.00%
520	Chromium, Total (Cr) (ppm)	16	14	1.436	0.4491	1.471	0.3918	0.1309	26.63%	0.0637	15.09%
526	Lead (ppm)	9	7	0.0797	0.0481	0.0660	0.0165	0.0078	25.05%	0.0113	22.00%
529	Mercury (ppb)	4	1								
539	Nickel (ppm)	6	4	1.452	0.1316	1.452	0.1316	0.0823	9.06%	0.0258	15.12%
702	Butyric Acid (4:0) (%)	1		0.0200							
704	Caproic Acid (6:0) (%)	1		0.0200							
706	Caprylic acid (8:0) (%) (w/w)	2		0.0200							
708	Capric acid (10:0) (%) (w/w)	2		0.0200							
710	Lauric Acid (12:0) (%) (w/w)	4									
714	Myristic Acid (14:0) (%) (w/w)	2		0.0050							
716	Palmitic Acid (16:0) (%) (w/w)	2	2	0.7731	0.0260						
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	3	2	0.0073	0.0005	0.0073	0.0005	0.0003	6.28%		8.38%
720	Margaric acid (17:0) (%) (w/w)	1		0.0200							
722	Stearic Acid (18:0) (%) (w/w)	2	2	0.1075	0.0036						
724	Oleic Acid (9c-18:1) (%) (w/w)	2	2	0.9883	0.0088						
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	3	3	2.619	0.0953	2.619	0.0953	0.0550	3.64%	0.0360	3.46%
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	3	3	0.1932	0.0065	0.1932	0.0065	0.0038	3.38%	0.0037	5.12%
730	Arachidic Acid (20:0) (%) (w/w)	2	1	0.0140							
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	2	0.0209	0.0012						
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	2		0.0000							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w)	3									
742	Behenic Acid (22:0) (%) (w/w)	2	1	0.0118							
744	Erucic Acid (13c-22:1) (%) (w/w)	2		0.0050							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%) (w/w)	4									
748	Lignoceric Acid (24:0) (%) (w/w)	2	1	0.0114							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%) (w/w)	4									
752	Nervonic Acid (24:1) isomers (%) (w/w)	2		0.0050							

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754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	2	1	0.1900							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	2	2	2.580	0.0774						
758	Total Saturated Fatty Acids (% (w/w))	1	1	0.9695							
764	Total cis Monounsaturated Fatty Acids (% (w/w))	1	1	1.086							
768	Total cis Polyunsaturated Fatty Acids (% (w/w))	1	1	2.725							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	5.012							
772	Total Fatty Acids (% (w/w))	2	2	4.806	0.0198						

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.