



**AAFCO**  
Association of American Feed Control Officials



**Animal Feed Scheme**  
**Swine Finisher**  
**Test Material Code # 202332**

**Analyte Summary Report**

**# Labs Reporting: 152**  
**# Analytes Reported: 116**  
**Issue Date : 01/31/2024**

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	0.2250							
001	Loss on Drying (%)	71	70	10.01	0.5560	10.08	0.3538	0.0529	3.51%	0.1274	2.83%
002	Protein, Crude (%)	149	146	15.46	1.238	15.34	0.3116	0.0322	2.03%	0.1356	2.55%
003	Fat, Crude (%)	126	122	2.225	0.3066	2.218	0.2154	0.0244	9.71%	0.0855	3.55%
004	Fiber, Crude (%)	100	98	2.922	0.4043	2.889	0.3143	0.0397	10.88%	0.1351	3.41%
005	Ash (%)	122	119	4.427	0.6059	4.369	0.2032	0.0233	4.65%	0.0661	3.20%
006	Total Sugars (%)	14	14	4.901	2.576	4.372	1.071	0.3578	24.50%	0.2411	3.20%
008	Fiber, Acid Detergent (%)	51	49	4.168	0.8839	4.069	0.3779	0.0675	9.29%	0.1477	3.24%
009	Fiber, Neutral Detergent (%)	47	46	11.09	1.146	10.98	0.8543	0.1575	7.78%	0.2738	2.79%
010	Moisture (%)	17	17	10.24	0.5115	10.26	0.4698	0.1424	4.58%	0.1423	2.82%
011	Loss on Drying, HT (%)	70	67	10.76	0.4311	10.79	0.3934	0.0601	3.65%	0.1163	2.80%
012	Starch (%)	37	35	45.40	2.243	45.49	2.009	0.4245	4.42%	0.5479	1.48%
013	Fat, Pretreat (%)	43	42	3.085	0.5125	3.082	0.5439	0.1049	17.64%	0.1100	3.38%
015	Aluminum (ppm)	15	14	33.99	12.13	34.08	13.56	4.531	39.80%	1.610	9.41%
017	Boron (ppm)	17	16	7.366	0.9154	7.290	0.8562	0.2675	11.74%	0.3346	11.86%
019	Calcium (%)	110	107	0.7103	0.0490	0.7073	0.0391	0.0047	5.52%	0.0183	4.21%
021	Cobalt (ppm)	22	16	0.4884	0.2118	0.4674	0.1816	0.0568	38.85%	0.0425	17.94%
022	Copper (ppm)	83	80	13.77	1.648	13.81	1.510	0.2110	10.93%	0.8124	10.78%
024	Iodine (ppm)	1	1	0.7065							
025	Iron (ppm)	77	77	182.3	18.48	181.1	13.59	1.935	7.50%	8.303	7.31%
027	Magnesium (%)	78	76	0.1804	0.0118	0.1801	0.0112	0.0016	6.19%	0.0060	5.18%
028	Manganese (ppm)	82	79	57.82	3.960	57.92	3.488	0.4906	6.02%	1.996	8.68%
030	Nitrate (%)	1	1	0.0005							
031	Phosphorus (%)	110	107	0.4423	0.0281	0.4415	0.0231	0.0028	5.24%	0.0113	4.52%
032	Potassium (%)	79	78	0.7322	0.0514	0.7333	0.0424	0.0060	5.78%	0.0152	4.19%
033	Salt as chloride (%)	53	52	0.4861	0.0530	0.4800	0.0440	0.0076	9.17%	0.0256	4.47%
034	Selenium, Total (Se) (ppm)	20	18	0.4152	0.2019	0.3618	0.0642	0.0189	17.73%	0.0386	18.64%
035	Sodium (%)	78	77	0.2454	0.0205	0.2459	0.0159	0.0023	6.45%	0.0087	4.94%
036	Sulfur (%)	45	45	0.3140	0.0312	0.3153	0.0266	0.0050	8.43%	0.0117	4.76%

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037	Zinc (ppm)	85	82	118.3	11.33	118.7	10.24	1.414	8.63%	3.794	7.79%
038	Molybdenum (ppm)	25	24	1.130	0.2392	1.144	0.1458	0.0372	12.75%	0.0805	15.68%
040	Barium (ppm)	2	2	6.700	0.1631						
041	Vanadium (ppm)	2	2	0.1650	0.0056						
042	Chloride (%)	8	8	0.3525	0.0674	0.3503	0.0714	0.0316	20.39%	0.0167	4.68%
101	Choline Chloride (ppm)	1	1	145.0							
102	Niacin (ppm)	2	2	43.08	24.08						
103	Pantothenic Acid (ppm)	1	1	16.70							
104	Riboflavin (ppm)	2	2	4.098	0.7319						
105	Thiamine (ppm)	2	2	3.188	1.856						
106	Vitamin A (KU / kg)	6	3	1.048	0.1385	1.048	0.1385	0.0999	13.21%	0.1132	
107	Vitamin B12 (ppb)	1	1	5.460							
108	Vitamin D3 (KU / kg)	3	2	0.4595	0.0050	0.4595	0.0050	0.0035	1.08%	0.0720	
109	Vitamin E (IU / kg)	6	4	24.61	6.609	24.61	6.609	4.131	26.85%	0.8802	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	2	2	2.723	1.623						
113	Folic Acid (ppm)	2	1	0.8205							
114	Biotin (ppm)	2	2	0.1423	0.0301						
115	Non Protein N (NPN) (%)	1	1	0.1533							
120	Alanine (%)	23	23	0.6908	0.0735	0.7077	0.0243	0.0063	3.43%	0.0190	4.21%
121	Arginine (%)	23	23	0.9074	0.0476	0.9115	0.0375	0.0098	4.11%	0.0181	4.06%
122	Aspartic (%)	23	22	1.270	0.0447	1.273	0.0402	0.0107	3.16%	0.0186	3.86%
124	Cysteine/Cystine (%)	24	24	0.2727	0.0385	0.2731	0.0287	0.0073	10.51%	0.0082	4.86%
125	Glutamic (%)	23	22	2.987	0.1697	2.974	0.0868	0.0231	2.92%	0.0338	3.39%
126	Glycine (%)	23	23	0.6324	0.0736	0.6442	0.0261	0.0068	4.05%	0.0142	4.27%
127	Histidine (%)	23	23	0.3875	0.0220	0.3873	0.0223	0.0058	5.75%	0.0127	4.61%
128	Isoleucine (%)	23	23	0.5634	0.0371	0.5664	0.0320	0.0083	5.64%	0.0154	4.36%
129	Leucine (%)	23	22	1.158	0.0641	1.155	0.0329	0.0088	2.84%	0.0210	3.91%
130	L-Lysine (%)	26	25	0.7027	0.0686	0.6944	0.0485	0.0121	6.98%	0.0225	4.23%
131	Methionine (%)	24	24	0.2267	0.0206	0.2272	0.0151	0.0039	6.66%	0.0112	5.00%
132	Phenylalanine (%)	23	23	0.6943	0.0278	0.6942	0.0264	0.0069	3.80%	0.0225	4.23%
133	Proline (%)	23	22	1.005	0.0501	1.012	0.0313	0.0083	3.09%	0.0186	3.99%
134	Serine (%)	23	23	0.7192	0.0467	0.7207	0.0423	0.0110	5.87%	0.0173	4.20%
135	Threonine (%)	24	24	0.5366	0.0334	0.5331	0.0277	0.0071	5.20%	0.0166	4.40%
136	Tryptophan (%)	19	18	0.1905	0.0240	0.1886	0.0223	0.0066	11.84%	0.0071	5.14%
137	Tyrosine (%)	20	19	0.4626	0.0396	0.4615	0.0421	0.0121	9.12%	0.0182	4.49%
138	Valine (%)	23	23	0.6828	0.0463	0.6853	0.0404	0.0105	5.90%	0.0238	4.23%
139	Taurine (%)	6	3	0.1100	0.0695	0.1100	0.0695	0.0502	63.22%		5.58%
160	Fructose (%)	2	2	0.2168	0.0895						
162	Glucose (%)	3	3	1.507	2.077	1.507	2.077	1.199	137.84%	0.0880	3.76%

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163	Lactose (%)	2		0.0000							
164	Maltose (%)	1		0.1500							
165	Sucrose (%)	2	2	2.483	0.1096						
166	Raffinose (%)	2	2	0.3573	0.0456						
167	Stachyose (%)	2	2	1.174	0.5671						
365	Monensin (ppm)	1		0.1000							
388	Tylosin (ppm)	1		0.2000							
400	Water Activity (Units)	12	11	0.5011	0.0271	0.5047	0.0205	0.0077	4.06%	0.0030	
413	Starch, Resistant (%)	1	1	0.3500							
516	Arsenic, Total (As) (ppm)	6	3	0.0504	0.0373	0.0504	0.0373	0.0269	74.02%	0.0122	22.00%
518	Cadmium (ppm)	10	8	0.0549	0.0039	0.0549	0.0044	0.0019	7.99%	0.0015	22.00%
520	Chromium, Total (Cr) (ppm)	14	14	1.393	0.4296	1.393	0.4872	0.1627	34.98%	0.1022	15.22%
526	Lead (ppm)	9	6	0.0918	0.0644	0.0711	0.0180	0.0092	25.31%	0.0108	22.00%
529	Mercury (ppb)	4	1								
539	Nickel (ppm)	9	8	1.729	0.4377	1.641	0.2608	0.1152	15.89%	0.0214	14.85%
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	1	0.1200							
710	Lauric Acid (12:0) (% (w/w))	4									
714	Myristic Acid (14:0) (% (w/w))	3	2	0.1237	0.1644	0.1237	0.1644	0.1163	132.90%		5.48%
716	Palmitic Acid (16:0) (% (w/w))	3	3	6.136	9.738	6.136	9.738	5.622	158.69%	0.0283	3.04%
718	Palmitoleic Acid (9c-16:1) (% (w/w))	4	3	0.1067	0.1675	0.1067	0.1675	0.0967	157.01%		5.60%
720	Margaric acid (17:0) (% (w/w))	1		0.0200							
722	Stearic Acid (18:0) (% (w/w))	3	3	1.103	1.751	1.103	1.751	1.011	158.83%	0.0171	3.94%
724	Oleic Acid (9c-18:1) (% (w/w))	3	3	7.438	11.90	7.438	11.90	6.869	159.96%	0.0339	2.96%
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	4	3	1.322	0.0366	1.322	0.0366	0.0211	2.76%		3.84%
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	4	3	0.0969	0.0027	0.0969	0.0027	0.0015	2.75%	0.0028	5.68%
730	Arachidic Acid (20:0) (% (w/w))	3	2	0.1440	0.1923	0.1440	0.1923	0.1360	133.51%		5.35%
732	Gondoic Acid (11c-20:1) (% (w/w))	2	1	0.0125							
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))	4	1								
742	Behenic Acid (22:0) (% (w/w))	3	2	0.1356	0.1830	0.1356	0.1830	0.1294	134.96%		5.40%
744	Erucic Acid (13c-22:1) (% (w/w))	3	1								
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%)	4									
748	Lignoceric Acid (24:0) (% (w/w))	3	2	0.1290	0.1712	0.1290	0.1712	0.1210	132.76%		5.44%
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%)	4									
752	Nervonic Acid (24:1) isomers (% (w/w))	2		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	3	3	0.0988	0.0020	0.0988	0.0020	0.0012	2.04%		5.67%
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	3	3	1.339	0.0377	1.339	0.0377	0.0218	2.82%	0.0240	3.83%

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758	Total Saturated Fatty Acids (% (w/w))	2	2	11.38	15.14						
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	22.28							
764	Total cis Monounsaturated Fatty Acids (% (w/w))	1	1	0.6475							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	52.20							
768	Total cis Polyunsaturated Fatty Acids (% (w/w))	1	1	1.401							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	2.859							
772	Total Fatty Acids (% (w/w))	2	2	2.674	0.0831						

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.