



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme

Swine Feed, Residues

Test Material Code # 202524

Analyte Summary Report

Labs Reporting: 161

Analytes Reported: 102

Issue Date : 05/31/2025

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 (Rob R-bar)	Thompson Horwitz %RSD
001	Loss on Drying (%)	68	66	9.567	0.6323	9.588	0.3973	0.0611	4.14%	0.1056	2.85%
002	Protein, Crude (%)	153	151	16.81	0.3371	16.82	0.2583	0.0263	1.54%	0.1329	2.44%
003	Fat, Crude (%)	137	133	2.838	0.3086	2.843	0.2276	0.0247	8.01%	0.0911	3.42%
004	Fiber, Crude (%)	111	108	3.817	0.6910	3.731	0.3754	0.0452	10.06%	0.1558	3.28%
005	Ash (%)	129	128	5.329	0.4477	5.287	0.2068	0.0228	3.91%	0.0638	3.11%
006	Total Sugars (%)	5	5	4.983	0.8346	4.983	0.8346	0.3732	16.75%	0.3256	3.14%
008	Fiber, Acid Detergent (%)	64	64	5.279	0.4725	5.264	0.3641	0.0569	6.92%	0.2125	3.12%
009	Fiber, Neutral Detergent (%)	56	55	13.92	0.9770	13.83	0.7956	0.1341	5.75%	0.2954	2.69%
010	Moisture (%)	24	24	9.488	1.042	9.691	0.3876	0.0989	4.00%	0.1094	2.84%
011	Loss on Drying, HT (%)	67	64	10.38	0.5055	10.44	0.4079	0.0637	3.91%	0.1048	2.81%
012	Starch (%)	36	35	39.01	2.115	39.05	2.101	0.4439	5.38%	0.4635	1.60%
013	Fat, Pretreat (%)	56	55	3.623	0.6232	3.654	0.5681	0.0957	15.54%	0.1371	3.29%
014	Fiber, Total Dietary (%)	2	2	18.07	0.3946						
015	Aluminum (ppm)	18	18	153.7	40.68	155.1	42.93	12.65	27.67%	4.932	7.49%
017	Boron (ppm)	19	18	8.106	0.7188	8.095	0.7612	0.2243	9.40%	0.3713	11.68%
019	Calcium (%)	121	118	0.8110	0.0837	0.8136	0.0466	0.0054	5.73%	0.0187	4.13%
021	Cobalt (ppm)	25	23	0.8860	0.2939	0.8507	0.1765	0.0460	20.74%	0.0616	16.39%
022	Copper (ppm)	87	86	20.75	3.058	20.67	1.919	0.2587	9.29%	1.073	10.14%
025	Iron (ppm)	81	80	306.7	29.81	308.5	25.79	3.604	8.36%	10.74	6.75%
027	Magnesium (%)	91	89	0.2190	0.0148	0.2186	0.0121	0.0016	5.56%	0.0065	5.03%
028	Manganese (ppm)	89	87	69.04	6.313	68.89	4.730	0.6339	6.87%	2.813	8.46%
030	Nitrate (%)	1		0.0000							
031	Phosphorus (%)	114	113	0.5439	0.0344	0.5425	0.0285	0.0033	5.25%	0.0133	4.39%
032	Potassium (%)	90	88	0.9268	0.0735	0.9264	0.0614	0.0082	6.62%	0.0207	4.05%
033	Salt as chloride (%)	57	57	0.5209	0.0535	0.5251	0.0373	0.0062	7.10%	0.0218	4.41%
034	Selenium, Total (Se) (ppm)	20	17	0.4489	0.2481	0.3963	0.0819	0.0248	20.66%	0.0240	18.39%
035	Sodium (%)	84	82	0.2105	0.0189	0.2095	0.0133	0.0018	6.35%	0.0068	5.06%
036	Sulfur (%)	48	47	0.2609	0.0165	0.2606	0.0173	0.0032	6.65%	0.0072	4.90%
037	Zinc (ppm)	91	90	136.2	12.36	135.7	9.461	1.247	6.97%	3.758	7.64%

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038	Molybdenum (ppm)	20	19	1.134	0.2383	1.132	0.2579	0.0740	22.79%	0.1270	15.70%
040	Barium (ppm)	2	2	11.32	0.0494						
041	Vanadium (ppm)	2	2	0.4795	0.0629						
042	Chloride (%)	7	6	0.3456	0.0546	0.3300	0.0211	0.0107	6.38%	0.0183	4.73%
101	Choline Chloride (ppm)	1	1	1,540							
102	Niacin (ppm)	2	2	63.40	32.03						
103	Pantothenic Acid (ppm)	1	1	25.95							
104	Riboflavin (ppm)	2	2	8.640	1.216						
105	Thiamine (ppm)	2	2	3.700	2.051						
106	Vitamin A (KU / kg)	11	9	3.947	1.215	3.941	1.364	0.5685	34.62%	0.3999	
107	Vitamin B12 (ppb)	2	1	45.10							
108	Vitamin D3 (KU / kg)	5	4	0.7852	0.0967	0.7852	0.0967	0.0483	12.31%	0.1080	
109	Vitamin E (IU / kg)	16	16	62.90	13.37	60.13	5.783	1.807	9.62%	3.451	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	2	2	4.918	0.4278						
113	Folic Acid (ppm)	2	2	1.420	0.2404						
114	Biotin (ppm)	2	2	0.3105	0.0424						
115	Non Protein N (NPN) (%)	3	3	0.9837	1.009	0.9837	1.009	0.5827	102.60%	0.0844	4.01%
120	Alanine (%)	25	24	0.8129	0.0819	0.8237	0.0414	0.0106	5.03%	0.0104	4.12%
121	Arginine (%)	25	25	1.014	0.0693	1.024	0.0430	0.0107	4.20%	0.0220	3.99%
122	Aspartic (%)	25	25	1.475	0.1223	1.498	0.0704	0.0176	4.70%	0.0284	3.76%
124	Cysteine/Cystine (%)	25	23	0.2803	0.0335	0.2794	0.0224	0.0058	8.03%	0.0077	4.85%
125	Glutamic (%)	25	24	3.031	0.1867	3.053	0.0934	0.0238	3.06%	0.0240	3.38%
126	Glycine (%)	25	24	0.7075	0.0469	0.7154	0.0222	0.0057	3.11%	0.0109	4.21%
127	Histidine (%)	25	24	0.4248	0.0241	0.4249	0.0221	0.0056	5.21%	0.0079	4.55%
128	Isoleucine (%)	25	24	0.6246	0.0581	0.6309	0.0366	0.0093	5.80%	0.0117	4.29%
129	Leucine (%)	25	23	1.296	0.1013	1.311	0.0526	0.0137	4.01%	0.0111	3.84%
130	L-Lysine (%)	31	30	0.8172	0.1001	0.8275	0.0519	0.0118	6.27%	0.0127	4.12%
131	Methionine (%)	26	26	0.2522	0.0195	0.2508	0.0145	0.0036	5.77%	0.0095	4.93%
132	Phenylalanine (%)	25	24	0.7602	0.0414	0.7628	0.0373	0.0095	4.89%	0.0097	4.17%
133	Proline (%)	24	23	1.036	0.0520	1.037	0.0545	0.0142	5.25%	0.0132	3.98%
134	Serine (%)	25	24	0.7672	0.0625	0.7743	0.0471	0.0120	6.09%	0.0204	4.16%
135	Threonine (%)	26	25	0.6038	0.0659	0.6099	0.0341	0.0085	5.59%	0.0095	4.31%
136	Tryptophan (%)	19	19	0.2226	0.0440	0.2166	0.0228	0.0065	10.54%	0.0062	5.04%
137	Tyrosine (%)	24	24	0.5150	0.0482	0.5131	0.0468	0.0119	9.12%	0.0121	4.42%
138	Valine (%)	26	26	0.7469	0.0695	0.7561	0.0419	0.0103	5.55%	0.0112	4.17%
139	Taurine (%)	7	3	0.1200	0.1163	0.1200	0.1163	0.0839	96.92%	0.0090	5.50%
160	Fructose (%)	3	3	0.4233	0.1200	0.4233	0.1200	0.0693	28.35%	0.1333	4.55%
161	Galactose (%)	1		0.0000							
162	Glucose (%)	3	3	0.3517	0.0752	0.3517	0.0752	0.0434	21.39%		4.68%

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163	Lactose (%)	3	1								
164	Maltose (%)	3	2	0.3875	0.0035	0.3875	0.0035	0.0025	0.91%	0.0450	4.61%
165	Sucrose (%)	3	3	2.957	0.5311	2.957	0.5311	0.3066	17.96%	0.3200	3.40%
166	Raffinose (%)	3	3	0.4600	0.1058	0.4600	0.1058	0.0611	23.01%	0.1700	4.50%
167	Stachyose (%)	3	3	1.248	0.1758	1.248	0.1758	0.1015	14.08%	0.3550	3.87%
351	Chlortetracycline (ppm)	4	4	3.345	1.264	3.345	1.264	0.6322	37.80%	0.3590	13.34%
386	Tiamulin (ppm)	1	1	0.1300							
388	Tylosin (ppm)	3	3	7.625	0.4629	7.625	0.4629	0.2673	6.07%	1.510	11.78%
400	Water Activity (Units)	12	11	0.5027	0.0201	0.5016	0.0186	0.0070	3.70%	0.0045	
516	Arsenic, Total (As) (ppm)	6	5	0.0592	0.0071	0.0592	0.0071	0.0040	11.97%	0.0043	22.00%
518	Cadmium (ppm)	7	7	0.0549	0.0115	0.0520	0.0052	0.0025	10.05%	0.0043	22.00%
520	Chromium, Total (Cr) (ppm)	15	15	2.955	0.7038	2.983	0.7318	0.2362	24.53%	0.1132	13.57%
526	Lead (ppm)	7	7	0.3963	0.8281	0.1075	0.0941	0.0444	87.50%	0.0246	22.00%
529	Mercury (ppb)	3	2	1,190	1,683	1,190	1,683	1,190	141.40%		15.58%
539	Nickel (ppm)	10	10	3.200	2.510	2.555	0.7794	0.3081	30.50%	0.0978	13.89%
710	Lauric Acid (12:0) (%) (w/w))	1		0.0050							
714	Myristic Acid (14:0) (%) (w/w))	1		0.0050							
716	Palmitic Acid (16:0) (%) (w/w))	1	1	0.5162							
718	Palmitoleic Acid (9c-16:1) (%) (w/w))	1	1	0.0058							
722	Stearic Acid (18:0) (%) (w/w))	1	1	0.0710							
724	Oleic Acid (9c-18:1) (%) (w/w))	1	1	0.7631							
726	Linoleic Acid (9c,12c-18:2) (%) (w/w))	1	1	1.702							
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w))	1	1	0.0992							
730	Arachidic Acid (20:0) (%) (w/w))	1	1	0.0103							
732	Gondoic Acid (11c-20:1) (%) (w/w))	1	1	0.0124							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (%) (w/w))	1		0.0050							
742	Behenic Acid (22:0) (%) (w/w))	1	1	0.0070							
744	Erucic Acid (13c-22:1) (%) (w/w))	1		0.0050							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%) (w/w))	1		0.0050							
748	Lignoceric Acid (24:0) (%) (w/w))	1	1	0.0093							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%) (w/w))	1		0.0050							
752	Nervonic Acid (24:1) isomers (%) (w/w))	1		0.0050							
772	Total Fatty Acids (%) (w/w))	1	1	3.196							

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.