



**AAFCO**  
Association of American Feed Control Officials



**Animal Feed Scheme**  
**Poultry Feed**  
**Test Material Code # 202421**

**Analyte Summary Report**

**# Labs Reporting: 155**  
**# Analytes Reported: 94**  
**Issue Date : 02/29/2024**

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	3.950							
001	Loss on Drying (%)	63	62	8.105	0.4169	8.152	0.3043	0.0483	3.73%	0.0977	2.92%
002	Protein, Crude (%)	163	160	17.97	0.9305	17.87	0.2808	0.0278	1.57%	0.1395	2.37%
003	Fat, Crude (%)	133	130	2.871	0.8125	2.759	0.2460	0.0270	8.91%	0.0992	3.43%
004	Fiber, Crude (%)	109	108	5.170	1.526	4.861	0.8770	0.1055	18.04%	0.1851	3.15%
005	Ash (%)	130	127	11.40	1.363	11.66	0.5829	0.0647	5.00%	0.1114	2.76%
006	Total Sugars (%)	11	11	5.044	1.265	5.053	1.415	0.5334	28.01%	0.2301	3.13%
008	Fiber, Acid Detergent (%)	58	57	6.280	0.6145	6.268	0.5325	0.0882	8.50%	0.1689	3.03%
009	Fiber, Neutral Detergent (%)	55	54	17.62	2.118	17.30	1.259	0.2142	7.28%	0.3171	2.40%
010	Moisture (%)	26	25	8.172	0.5651	8.221	0.5199	0.1300	6.32%	0.1077	2.91%
011	Loss on Drying, HT (%)	70	69	8.709	0.4531	8.735	0.4432	0.0667	5.07%	0.1175	2.89%
012	Starch (%)	42	40	30.04	1.958	30.11	1.879	0.3713	6.24%	0.4704	1.82%
013	Fat, Pretreat (%)	43	42	3.766	0.7017	3.768	0.6739	0.1300	17.89%	0.1414	3.28%
015	Aluminum (ppm)	12	12	115.5	34.71	116.4	37.32	13.47	32.05%	6.988	7.82%
017	Boron (ppm)	15	14	7.946	0.7630	7.894	0.7356	0.2457	9.32%	0.1563	11.72%
019	Calcium (%)	118	116	3.389	0.2530	3.404	0.1713	0.0199	5.03%	0.0627	3.33%
021	Cobalt (ppm)	19	18	1.821	0.4921	1.771	0.4025	0.1186	22.72%	0.0672	14.68%
022	Copper (ppm)	83	79	31.36	2.723	31.27	2.116	0.2976	6.77%	0.9942	9.53%
025	Iron (ppm)	79	77	389.9	71.46	399.0	50.00	7.123	12.53%	11.56	6.50%
027	Magnesium (%)	65	62	0.3166	0.0402	0.3221	0.0196	0.0031	6.10%	0.0068	4.74%
028	Manganese (ppm)	89	87	152.9	10.04	153.4	9.249	1.240	6.03%	3.451	7.50%
030	Nitrate (%)	1		0.0002							
031	Phosphorus (%)	113	109	0.7240	0.0423	0.7254	0.0344	0.0041	4.74%	0.0157	4.20%
032	Potassium (%)	64	62	0.9071	0.1253	0.9222	0.0403	0.0064	4.37%	0.0149	4.05%
033	Salt as chloride (%)	51	49	0.4819	0.0827	0.4744	0.0542	0.0097	11.43%	0.0148	4.47%
034	Selenium, Total (Se) (ppm)	12	10	0.6988	0.3328	0.6988	0.3774	0.1492	54.00%	0.0368	16.88%
035	Sodium (%)	74	71	0.1538	0.0212	0.1540	0.0116	0.0017	7.53%	0.0048	5.30%
036	Sulfur (%)	37	36	0.2819	0.0232	0.2822	0.0229	0.0048	8.12%	0.0057	4.84%
037	Zinc (ppm)	87	85	139.5	17.76	141.1	11.60	1.573	8.22%	3.541	7.60%

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038	Molybdenum (ppm)	17	17	1.310	0.2673	1.326	0.2623	0.0795	19.78%	0.0943	15.33%
040	Barium (ppm)	1	1	11.65							
041	Vanadium (ppm)	1	1	0.7700							
042	Chloride (%)	8	7	0.3396	0.0661	0.3396	0.0749	0.0354	22.07%	0.0110	4.71%
101	Choline Chloride (ppm)	1	1	2,190							
102	Niacin (ppm)	3	3	32.04	17.76	32.04	17.76	10.25	55.43%	1.097	9.49%
103	Pantothenic Acid (ppm)	3	3	30.21	22.57	30.21	22.57	13.03	74.69%	2.020	9.58%
104	Riboflavin (ppm)	5	5	6.962	1.865	6.962	1.865	0.8341	26.79%	0.7098	11.95%
105	Thiamine (ppm)	3	3	6.032	1.842	6.032	1.842	1.063	30.53%	1.073	12.21%
106	Vitamin A (KU / kg)	8	7	7.002	1.067	7.002	1.209	0.5714	17.27%	1.111	
107	Vitamin B12 (ppb)	1	1	35.00							
108	Vitamin D3 (KU / kg)	5	4	2.004	0.3512	2.004	0.3512	0.1756	17.53%	0.2575	
109	Vitamin E (IU / kg)	7	3	23.12	3.127	23.12	3.127	2.256	13.53%	1.233	
112	Pyridoxine (µg / g)	2	2	4.756	1.717						
113	Folic Acid (ppm)	1	1	0.5800							
114	Biotin (ppm)	3	3	0.1332	0.1061	0.1332	0.1061	0.0612	79.64%	0.0215	21.67%
115	Non Protein N (NPN) (%)	2	2	0.9424	1.156						
120	Alanine (%)	30	29	0.8595	0.0652	0.8636	0.0377	0.0087	4.36%	0.0128	4.09%
121	Arginine (%)	30	29	1.075	0.0908	1.086	0.0557	0.0129	5.13%	0.0281	3.95%
122	Aspartic (%)	30	29	1.408	0.1757	1.434	0.0521	0.0121	3.64%	0.0154	3.79%
124	Cysteine/Cystine (%)	30	29	0.3157	0.0311	0.3175	0.0293	0.0068	9.22%	0.0076	4.75%
125	Glutamic (%)	30	29	3.245	0.3131	3.290	0.1220	0.0283	3.71%	0.0438	3.34%
126	Glycine (%)	30	29	0.7747	0.0852	0.7928	0.0359	0.0083	4.53%	0.0130	4.14%
127	Histidine (%)	30	30	0.4527	0.0360	0.4566	0.0271	0.0062	5.93%	0.0112	4.50%
128	Isoleucine (%)	30	29	0.6227	0.0707	0.6316	0.0512	0.0119	8.10%	0.0131	4.29%
129	Leucine (%)	30	29	1.324	0.1264	1.338	0.0698	0.0162	5.22%	0.0157	3.83%
130	L-Lysine (%)	33	32	0.8329	0.0928	0.8357	0.0544	0.0120	6.51%	0.0142	4.11%
131	Methionine (%)	33	33	0.2785	0.0340	0.2814	0.0212	0.0046	7.54%	0.0104	4.84%
132	Phenylalanine (%)	30	29	0.7668	0.0724	0.7743	0.0429	0.0100	5.54%	0.0141	4.16%
133	Proline (%)	29	28	1.110	0.1060	1.108	0.0363	0.0086	3.28%	0.0248	3.94%
134	Serine (%)	30	28	0.7937	0.0735	0.8043	0.0436	0.0103	5.43%	0.0171	4.13%
135	Threonine (%)	31	30	0.6218	0.0572	0.6257	0.0283	0.0065	4.52%	0.0126	4.29%
136	Tryptophan (%)	21	20	0.2259	0.0251	0.2275	0.0249	0.0070	10.96%	0.0057	5.00%
137	Tyrosine (%)	26	25	0.5278	0.0508	0.5282	0.0541	0.0135	10.24%	0.0087	4.40%
138	Valine (%)	29	28	0.7930	0.0683	0.8015	0.0411	0.0097	5.12%	0.0148	4.14%
139	Taurine (%)	5	3	0.0832	0.0968	0.0832	0.0968	0.0559	116.37%		5.82%
162	Glucose (%)	1	1	5.050							
400	Water Activity (Units)	13	13	0.4176	0.0229	0.4166	0.0235	0.0081	5.64%	0.0153	
516	Arsenic, Total (As) (ppm)	4	3	0.1194	0.0302	0.1194	0.0302	0.0174	25.30%	0.0072	22.00%
518	Cadmium (ppm)	8	7	0.1078	0.0157	0.1063	0.0140	0.0066	13.19%	0.0043	22.00%

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520	Chromium, Total (Cr) (ppm)	12	<b>12</b>	6.688	1.780	<b>6.807</b>	1.728	0.6236	25.39%	0.2090	11.99%
526	Lead (ppm)	6	4	0.1739	0.0109	0.1739	0.0109	0.0070	6.29%	0.0197	20.81%
529	Mercury (ppb)	2	1	0.8488							
539	Nickel (ppm)	7	<b>7</b>	4.035	1.084	<b>4.036</b>	1.227	0.5799	30.41%	0.1554	12.97%
710	Lauric Acid (12:0) (% (w/w))	2	1	0.0035							
714	Myristic Acid (14:0) (% (w/w))	1	1	0.0062							
716	Palmitic Acid (16:0) (% (w/w))	1	1	0.5237							
718	Palmitoleic Acid (9c-16:1) (% (w/w))	2	2	0.0088	0.0011						
722	Stearic Acid (18:0) (% (w/w))	1	1	0.0609							
724	Oleic Acid (9c-18:1) (% (w/w))	1	1	0.7148							
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	2	2	1.692	0.0096						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	2	2	0.1285	0.0014						
730	Arachidic Acid (20:0) (% (w/w))	1	1	0.0096							
732	Gondoic Acid (11c-20:1) (% (w/w))	1	1	0.0179							
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (% (w/w))	1		0.0000							
740	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5) (% (w/w))	2		0.0000							
742	Behenic Acid (22:0) (% (w/w))	1	1	0.0081							
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))	2		0.0000							
748	Lignoceric Acid (24:0) (% (w/w))	1	1	0.0099							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (% (w/w))	2		0.0000							
752	Nervonic Acid (24:1) isomers (% (w/w))	1		0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	1	1	0.1300							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	1.685							
772	Total Fatty Acids (% (w/w))	1	1	3.185							

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.