



AAFCO
Proficiency Testing Program



Animal Feed Scheme
Poultry Feed, Medicated
Test Material Code # 202126

Analyte Summary Report

Labs Reporting: 170
Analytes Reported: 118
Issue Date : 07/31/2021

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	0.1000							
001	Loss on Drying (%)	70	67	8.545	0.6222	8.620	0.2927	0.0447	3.40%	0.1069	2.89%
002	Protein, Crude (%)	164	161	22.35	0.5292	22.35	0.3539	0.0349	1.58%	0.1629	2.12%
003	Fat, Crude (%)	132	129	3.985	0.4115	3.977	0.2661	0.0293	6.69%	0.1015	3.25%
004	Fiber, Crude (%)	96	93	4.282	0.7442	4.233	0.6487	0.0841	15.33%	0.2050	3.22%
005	Ash (%)	104	101	11.49	1.048	11.69	0.5914	0.0736	5.06%	0.1544	2.76%
006	Total Sugars (%)	6	6	5.257	1.209	5.232	1.313	0.6703	25.10%	0.4367	3.12%
008	Fiber, Acid Detergent (%)	56	55	5.533	0.8286	5.537	0.5491	0.0926	9.92%	0.2665	3.09%
009	Fiber, Neutral Detergent (%)	54	53	15.08	1.432	15.01	0.7926	0.1361	5.28%	0.3478	2.58%
010	Moisture (%)	20	19	8.859	0.8763	8.906	0.4977	0.1427	5.59%	0.1184	2.88%
011	Loss on Drying, HT (%)	69	68	9.332	0.4103	9.358	0.3772	0.0572	4.03%	0.1129	2.86%
012	Starch (%)	32	32	28.61	1.917	28.59	1.754	0.3875	6.13%	0.4250	1.87%
013	Fat, Acid Pretreat (%)	49	47	4.938	0.6434	4.945	0.6869	0.1252	13.89%	0.1395	3.14%
015	Aluminum (ppm)	20	20	147.5	38.42	147.2	42.66	11.92	28.99%	6.462	7.55%
017	Boron (ppm)	19	18	12.42	1.387	12.57	1.131	0.3333	9.00%	0.3969	10.93%
019	Calcium (%)	111	110	3.351	0.4131	3.393	0.1787	0.0213	5.26%	0.0744	3.33%
021	Cobalt (ppm)	23	22	1.275	0.4497	1.238	0.3889	0.1036	31.41%	0.1571	15.49%
022	Copper (ppm)	66	64	20.42	2.461	20.61	1.741	0.2720	8.44%	0.8395	10.14%
025	Iron (ppm)	60	59	285.2	37.08	287.3	33.46	5.445	11.65%	7.253	6.82%
027	Magnesium (%)	67	66	0.2538	0.0196	0.2558	0.0147	0.0023	5.73%	0.0070	4.91%
028	Manganese (ppm)	82	81	132.5	16.48	134.0	10.79	1.499	8.05%	3.936	7.65%
031	Phosphorus (%)	111	111	0.8977	0.0668	0.9062	0.0410	0.0049	4.52%	0.0192	4.06%
032	Potassium (%)	63	63	1.027	0.0622	1.030	0.0551	0.0087	5.35%	0.0240	3.98%
033	Salt as chloride (%)	58	58	0.4786	0.0761	0.4853	0.0549	0.0090	11.31%	0.0128	4.46%
034	Selenium, Total (Se) (ppm)	11	10	0.5569	0.1766	0.5200	0.0908	0.0359	17.46%	0.0502	17.65%
035	Sodium (%)	67	66	0.1915	0.0157	0.1910	0.0121	0.0019	6.35%	0.0076	5.13%
036	Sulfur (%)	42	41	0.2554	0.0303	0.2530	0.0224	0.0044	8.84%	0.0102	4.92%
037	Zinc (ppm)	82	81	123.3	18.42	126.0	9.422	1.309	7.48%	4.558	7.73%
038	Molybdenum (ppm)	20	20	1.543	0.3713	1.592	0.2472	0.0691	15.53%	0.0918	14.91%

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040	Barium (ppm)	2	2	9.546	3.802						
041	Vanadium (ppm)	2	2	0.9989	0.3693						
042	Chloride (%)	6	6	0.3400	0.0855	0.3150	0.0179	0.0091	5.67%	0.0090	4.76%
101	Choline Chloride (ppm)	1	1	1,980							
102	Niacin (ppm)	4	4	126.4	48.53	126.4	48.53	24.27	38.41%	3.288	7.72%
103	Pantothenic Acid (ppm)	3	3	40.94	26.58	40.94	26.58	15.35	64.94%	11.66	9.15%
104	Riboflavin (ppm)	7	7	18.27	3.767	18.27	4.271	2.018	23.38%	0.9043	10.33%
105	Thiamine (ppm)	5	4	5.705	1.270	5.705	1.270	0.6352	22.27%	0.0450	12.31%
106	Vitamin A (KU / kg)	8	8	29.42	5.380	28.59	2.267	1.002	7.93%	2.255	
107	Vitamin B12 (ppb)	2	2	51.98	3.076						
108	Vitamin D3 (KU / kg)	5	5	5.313	0.6153	5.313	0.6153	0.2752	11.58%	0.5220	
109	Vitamin E (IU / kg)	9	9	58.67	15.67	56.68	12.69	5.286	22.38%	3.001	
111	Vitamin C, Phosphorylated (ppm)	1		4.400							
112	Pyridoxine (µg / g)	4	3	8.473	3.488	8.473	3.488	2.014	41.17%	0.5133	11.60%
113	Folic Acid (ppm)	4	3	15.88	1.685	15.88	1.685	0.9729	10.61%	1.452	10.55%
114	Biotin (ppm)	3	3	2.267	1.218	2.267	1.218	0.7029	53.71%	0.2400	14.14%
115	Non Protein N (NPN) (%)	2	2	0.3425	0.2298						
118	Peroxide value (meq/kg)	1	1	2.030							
120	Alanine (%)	27	26	1.169	0.0475	1.174	0.0386	0.0095	3.29%	0.0106	3.90%
121	Arginine (%)	27	26	1.449	0.1198	1.465	0.0736	0.0180	5.02%	0.0190	3.78%
122	Aspartic (%)	27	27	2.003	0.1744	2.037	0.0804	0.0193	3.95%	0.0280	3.59%
124	Cysteine/Cystine (%)	26	25	0.3255	0.0654	0.3277	0.0355	0.0089	10.83%	0.0058	4.73%
125	Glutamic (%)	27	26	3.637	0.2723	3.687	0.1189	0.0291	3.22%	0.0399	3.29%
126	Glycine (%)	27	26	1.270	0.0988	1.278	0.0651	0.0160	5.09%	0.0142	3.85%
127	Histidine (%)	27	27	0.5435	0.0599	0.5542	0.0303	0.0073	5.47%	0.0107	4.37%
128	Isoleucine (%)	27	26	0.8292	0.0866	0.8411	0.0656	0.0161	7.80%	0.0121	4.11%
129	Leucine (%)	27	27	1.643	0.1286	1.660	0.0667	0.0160	4.02%	0.0184	3.71%
130	L-Lysine (%)	28	27	1.177	0.1251	1.202	0.0566	0.0136	4.71%	0.0171	3.89%
131	Methionine (%)	28	27	0.3578	0.0434	0.3628	0.0250	0.0060	6.89%	0.0071	4.66%
132	Phenylalanine (%)	27	26	0.9904	0.0922	1.002	0.0406	0.0100	4.05%	0.0171	4.00%
133	Proline (%)	26	25	1.366	0.1269	1.368	0.0625	0.0156	4.57%	0.0103	3.82%
134	Serine (%)	27	27	1.006	0.0944	1.017	0.0604	0.0145	5.94%	0.0216	3.99%
135	Threonine (%)	27	26	0.7995	0.0591	0.8104	0.0232	0.0057	2.87%	0.0105	4.13%
136	Tryptophan (%)	17	17	0.2830	0.1262	0.2718	0.0343	0.0104	12.60%	0.0083	4.87%
137	Tyrosine (%)	23	22	0.6778	0.1021	0.6909	0.0796	0.0212	11.52%	0.0093	4.23%
138	Valine (%)	27	27	0.9845	0.0871	0.9977	0.0630	0.0152	6.32%	0.0182	4.00%
139	Taurine (%)	5	4	0.0696	0.0828	0.0696	0.0828	0.0414	118.89%	0.0053	5.97%
160	Fructose (%)	2	2	0.1700	0.0849						
161	Galactose (%)	1		0.0000							
162	Glucose (%)	2	2	0.2363	0.1750						

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163	Lactose (%)	2		0.0000							
164	Maltose (%)	2	1	0.2230							
165	Sucrose (%)	2	2	2.548	0.0530						
166	Raffinose (%)	2	2	0.5643	0.0767						
167	Stachyose (%)	2	2	1.270	0.0145						
345	Amprolium (ppm)	11	10	83.41	30.95	90.34	14.08	5.564	15.58%	2.929	8.12%
354	Decoquinatate (ppm)	1		0.2500							
357	Ethoxyquin (ppm)	2	2	11.08	15.44						
361	Lasalocid Sodium (ppm)	1		0.2500							
365	Monensin (ppm)	3	2	116.2	1.167	116.2	1.167	0.8250	1.00%	5.650	7.82%
379	Salinomycin (ppm)	1	1	0.4600							
391	Narasin (ppm)	7	7	122.3	9.857	122.3	11.18	5.281	9.14%	8.643	7.76%
400	Water Activity (Units)	12	12	0.5099	0.0183	0.5094	0.0196	0.0071	3.85%	0.0043	
516	Arsenic, Total (As) (ppm)	9	7	0.1418	0.0486	0.1433	0.0265	0.0125	18.48%	0.0121	21.43%
518	Cadmium (ppm)	10	9	0.1031	0.0257	0.1031	0.0292	0.0122	28.31%	0.0064	22.00%
520	Chromium, Total (Cr) (ppm)	14	13	3.857	1.252	3.865	1.402	0.4862	36.28%	0.3158	13.05%
526	Lead (ppm)	10	9	0.1692	0.0467	0.1692	0.0530	0.0221	31.30%	0.0186	20.90%
529	Mercury (ppb)	3	1								
539	Nickel (ppm)	9	9	3.072	0.6665	3.072	0.7558	0.3149	24.60%	0.1389	13.51%
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	2	0.0185	0.0021						
716	Palmitic Acid (16:0) (%) (w/w)	2	2	0.7517	0.0613						
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	2	2	0.0315	0.0021						
720	Margaric acid (17:0) (%) (w/w)	1		0.0200							
722	Stearic Acid (18:0) (%) (w/w)	2	2	0.2380	0.0099						
724	Oleic Acid (9c-18:1) (%) (w/w)	2	2	1.021	0.0205						
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	2	2	1.692	0.0463						
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	2	2	0.1181	0.0097						
730	Arachidic Acid (20:0) (%) (w/w)	2	1	0.0128							
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	1	0.0229							
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	0.0105							
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)	2		0.0050							
748	Lignoceric Acid (24:0) (%) (w/w)	2	1	0.0092							

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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	0.1200							
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (%) (w/w)	1	1	1.670							
758	Total Saturated Fatty Acids (%) (w/w)	1	1	1.060							
764	Total cis Monounsaturated Fatty Acids (%) (w/w)	1	1	1.115							
768	Total cis Polyunsaturated Fatty Acids (%) (w/w)	1	1	1.810							
770	Total Fat (equivalent to NLEA) (%) (w/w)	1	1	4.195							
772	Total Fatty Acids (%) (w/w)	2	2	3.916	0.1334						

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.