



AAFCO
Proficiency Testing Program



Animal Feed Scheme
Poultry Feed
Test Material Code # 201926

Analyte Summary Report

Labs Reporting: 195
Analytes Reported: 112
Issue Date : 07/31/2019

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO PT ffp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD
000	Urea (%)	1	1	0.1000							
001	Loss on Drying (%)	86	84	8.802	0.3837	8.822	0.3382	0.0461	3.83%	0.1141	2.88%
002	Protein, Crude (%)	191	189	21.97	0.6430	21.91	0.3331	0.0303	1.52%	0.1835	2.14%
003	Fat, Crude (%)	154	151	3.727	0.3314	3.709	0.2218	0.0226	5.98%	0.1126	3.28%
004	Fiber, Crude (%)	117	115	4.503	1.039	4.403	0.6876	0.0801	15.61%	0.2004	3.20%
005	Ash (%)	146	145	14.90	1.235	15.17	0.5856	0.0608	3.86%	0.1736	2.57%
006	Total Sugars (%)	5	5	3.107	0.8509	3.107	0.8509	0.3805	27.39%	0.4060	3.37%
008	Fiber, Acid Detergent (%)	62	61	5.830	1.070	5.692	0.5613	0.0898	9.86%	0.2587	3.08%
009	Fiber, Neutral Detergent (%)	59	58	14.81	1.954	14.85	1.461	0.2398	9.84%	0.3690	2.59%
010	Moisture (%)	21	21	9.080	0.6750	9.033	0.5868	0.1601	6.50%	0.1384	2.87%
011	Loss on Drying (%)	68	64	9.395	0.4262	9.429	0.3217	0.0503	3.41%	0.0845	2.85%
012	Starch (%)	45	44	28.08	1.672	28.06	1.631	0.3073	5.81%	0.3630	1.89%
013	Fat, Acid Pretreat (%)	50	49	4.647	0.5347	4.655	0.5623	0.1004	12.08%	0.1179	3.17%
015	Aluminum (mg / kg (ppm))	16	16	137.8	18.50	137.7	20.53	6.415	14.90%	6.914	7.62%
017	Boron (mg / kg (ppm))	20	20	9.626	2.339	9.869	1.560	0.4360	15.81%	0.3774	11.33%
019	Calcium (%)	138	134	4.878	0.6104	4.891	0.2426	0.0262	4.96%	0.0928	3.15%
021	Cobalt (mg / kg (ppm))	25	25	1.450	0.7647	1.378	0.4298	0.1075	31.19%	0.0851	15.24%
022	Copper (mg / kg (ppm))	76	75	26.23	3.154	25.97	1.803	0.2602	6.94%	0.7886	9.80%
025	Iron (mg / kg (ppm))	79	76	313.8	65.80	325.3	27.35	3.922	8.41%	7.037	6.70%
027	Magnesium (%)	96	94	0.2665	0.0265	0.2689	0.0149	0.0019	5.55%	0.0057	4.87%
028	Manganese (mg / kg (ppm))	87	84	143.5	32.68	142.0	14.03	1.914	9.88%	4.882	7.59%
031	Phosphorus (%)	133	131	0.9177	0.0827	0.9238	0.0488	0.0053	5.28%	0.0227	4.05%
032	Potassium (%)	97	96	0.9668	0.2083	0.9605	0.0609	0.0078	6.34%	0.0228	4.02%
033	Salt as chloride (%)	74	72	0.4890	0.0649	0.4914	0.0463	0.0068	9.41%	0.0180	4.45%
034	Selenium (mg / kg (ppm))	22	20	0.8306	0.3589	0.7704	0.1412	0.0395	18.33%	0.0472	16.64%
035	Sodium (%)	89	87	0.2172	0.0219	0.2159	0.0176	0.0024	8.13%	0.0072	5.04%
036	Sulfur (%)	43	42	0.2534	0.0334	0.2531	0.0239	0.0046	9.44%	0.0084	4.92%
037	Zinc (mg / kg (ppm))	90	87	153.6	38.46	150.0	13.53	1.814	9.02%	3.942	7.53%
038	Molybdenum (mg / kg (ppm))	19	18	1.189	0.1744	1.203	0.1675	0.0493	13.92%	0.1626	15.56%
040	Barium (mg / kg (ppm))	3	3	14.51	4.076	14.51	4.076	2.354	28.09%	0.8240	10.70%

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041	Vanadium (mg / kg (ppm))	1	1	0.9110							
042	Chloride (%)	2	2	0.3030	0.0028						
102	Niacin (mg / kg (ppm))	2	2	109.9	36.88						
103	Pantothenic Acid (mg / kg (ppm))	2	2	21.45	1.414						
104	Riboflavin (mg / kg (ppm))	4	4	19.40	4.010	19.40	4.010	2.005	20.67%	0.7650	10.24%
105	Thiamine (mg / kg (ppm))	2	2	4.895	0.5869						
106	Vitamin A (KU / kg)	19	18	14.33	4.129	14.65	3.728	1.098	25.45%	1.456	
107	Vitamin B12 (µg / kg (ppb))	1	1	57.85							
108	Vitamin D3 (KU / kg)	6	3	6.040	3.301	6.040	3.301	2.382	54.65%	0.0400	
109	Vitamin E (IU / kg)	16	16	38.10	19.80	39.73	13.59	4.247	34.21%	3.162	
112	Pyridoxine (µg / g)	1	1	8.640							
113	Folic Acid (mg / kg (ppm))	2	2	3.980	1.089						
114	Biotin (mg / kg (ppm))	1	1	0.5545							
118	Peroxide value (meq/kg)	1	1	5.305							
120	Alanine (%)	34	33	1.182	0.0534	1.182	0.0425	0.0092	3.59%	0.0147	3.90%
121	Arginine (%)	33	33	1.443	0.0826	1.447	0.0646	0.0141	4.46%	0.0266	3.78%
122	Aspartic (%)	34	32	1.995	0.1350	2.011	0.0720	0.0159	3.58%	0.0298	3.60%
124	Cysteine/Cystine (%)	33	32	0.3180	0.0477	0.3199	0.0329	0.0073	10.28%	0.0109	4.75%
125	Glutamic (%)	34	33	3.702	0.1804	3.683	0.1255	0.0273	3.41%	0.0452	3.29%
126	Glycine (%)	34	33	1.369	0.0849	1.359	0.0478	0.0104	3.52%	0.0274	3.82%
127	Histidine (%)	34	33	0.5319	0.0451	0.5320	0.0305	0.0066	5.74%	0.0118	4.40%
128	Isoleucine (%)	34	33	0.8244	0.0603	0.8277	0.0513	0.0112	6.19%	0.0167	4.12%
129	Leucine (%)	34	33	1.640	0.1362	1.636	0.0510	0.0111	3.12%	0.0193	3.71%
130	L-Lysine (%)	39	36	1.137	0.0674	1.140	0.0550	0.0115	4.82%	0.0219	3.92%
131	Methionine (%)	37	37	0.4095	0.0374	0.4108	0.0278	0.0057	6.75%	0.0133	4.57%
132	Phenylalanine (%)	34	33	0.9655	0.0482	0.9653	0.0338	0.0074	3.50%	0.0185	4.02%
133	Proline (%)	33	33	1.381	0.0720	1.374	0.0607	0.0132	4.42%	0.0325	3.81%
134	Serine (%)	33	32	1.005	0.0550	1.007	0.0491	0.0108	4.88%	0.0147	4.00%
135	Threonine (%)	34	33	0.7834	0.0592	0.7917	0.0351	0.0076	4.44%	0.0151	4.14%
136	Tryptophan (%)	23	23	0.2447	0.0640	0.2440	0.0361	0.0094	14.78%	0.0096	4.95%
137	Tyrosine (%)	28	27	0.6429	0.0839	0.6436	0.0864	0.0208	13.43%	0.0147	4.27%
138	Valine (%)	34	32	0.9859	0.0622	0.9898	0.0528	0.0117	5.33%	0.0213	4.01%
139	Taurine (%)	6	4	0.0792	0.0949	0.0792	0.0949	0.0593	119.87%	0.0007	5.86%
160	Fructose (%)	3	3	0.2162	0.0996	0.2162	0.0996	0.0575	46.07%	0.0183	5.04%
161	Galactose (%)	1		0.0000							
162	Glucose (%)	3	3	0.2092	0.0521	0.2092	0.0521	0.0301	24.91%	0.0623	5.06%
163	Lactose (%)	3									
164	Maltose (%)	2	1	0.2025							
165	Sucrose (%)	3	3	2.008	0.1289	2.008	0.1289	0.0744	6.42%	0.0837	3.60%
166	Raffinose (%)	2	2	0.5150	0.0212						

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167	Stachyose (%)	2	2	0.9985	0.0898						
354	Decoquinatate (mg/kg (ppm))	1	1	29.00							
365	Monensin (mg/kg (ppm))	2	2	0.4375	0.0460						
379	Salinomycin (mg/kg (ppm))	1	1	120.0							
391	Narasin (mg/kg (ppm))	13	13	92.95	33.82	95.82	19.11	6.625	19.94%	2.447	8.05%
400	Water Activity (Units)	10	10	0.5652	0.0147	0.5648	0.0159	0.0063	2.81%	0.0020	
412	Starch, Dietary (%)	1	1	26.47							
516	Arsenic, Total (mg / kg (ppm))	8	8	0.2482	0.3507	0.1327	0.0382	0.0169	28.75%	0.0212	21.68%
518	Cadmium (mg / kg (ppm))	11	9	0.1196	0.0423	0.1088	0.0073	0.0030	6.71%	0.0066	22.00%
520	Chromium (mg / kg (ppm))	12	12	4.616	1.204	4.778	0.9975	0.3599	20.88%	0.2694	12.64%
526	Lead (mg / kg (ppm))	11	8	0.2895	0.2772	0.2040	0.0547	0.0242	26.82%	0.0100	20.32%
539	Nickel (mg / kg (ppm))	6	6	3.638	0.5895	3.597	0.5712	0.2915	15.88%	0.1910	13.19%
702	Butyric Acid (4:0) (%)	1	1	0.0035							
704	Caproic Acid (6:0) (%)	1	1	0.0015							
706	Caprylic acid (8:0) (%) (w/w)	1		0.0000							
708	Capric acid (10:0) (%) (w/w)	1	1	0.0010							
710	Lauric Acid (12:0) (%) (w/w)	4									
714	Myristic Acid (14:0) (%) (w/w)	3	3	0.0283	0.0067	0.0283	0.0067	0.0038	23.51%	0.0000	
716	Palmitic Acid (16:0) (%) (w/w)	3	3	0.8047	0.0771	0.8047	0.0771	0.0445	9.58%	0.0047	
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	4	4	0.0398	0.0049	0.0398	0.0049	0.0025	12.38%	0.0000	
722	Stearic Acid (18:0) (%) (w/w)	3	3	0.2550	0.0151	0.2550	0.0151	0.0087	5.93%	0.0007	
724	Oleic Acid (9c-18:1) (%) (w/w)	3	3	1.141	0.1193	1.141	0.1193	0.0689	10.46%	0.0073	
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	5	5	1.540	0.1732	1.540	0.1732	0.0774	11.25%	0.0158	
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	4	4	0.0905	0.0126	0.0905	0.0126	0.0063	13.94%	0.0010	
730	Arachidic Acid (20:0) (%) (w/w)	3	2	0.0255	0.0177	0.0255	0.0177	0.0125	69.33%	0.0000	
732	Gondoic Acid (11c-20:1) (%) (w/w)	3	3	0.0282	0.0109	0.0282	0.0109	0.0063	38.59%	0.0010	
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	2	1	0.0070							
738	Mead Acid (11c,14c,17c-20:3) (%) (w/w)	1		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	0.0080							
744	Erucic Acid (13c-22:1) (%) (w/w)	2		0.0000							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%) (w/w)	3									
748	Lignoceric Acid (24:0) (%) (w/w)	1	1	0.0090							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%) (w/w)	3									
752	Nervonic Acid (24:1) isomers (%) (w/w)	2		0.0000							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (%) (w/w)	3	3	0.0967	0.0116	0.0967	0.0116	0.0067	11.95%	0.0000	
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (%) (w/w)	3	3	1.512	0.1591	1.512	0.1591	0.0919	10.52%	0.0233	
758	Total Saturated Fatty Acids (%) (w/w)	1	1	1.110							
762	Total Monounsaturated Fatty Acids (%) (w/w)	1	1	1.160							
766	Total Polyunsaturated Fatty Acids (%) (w/w)	1	1	1.505							

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770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	3.965							
772	Total Fatty Acids (% (w/w))	2	2	3.737	0.0820						

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.