



AAFCO
Proficiency Testing Program



Animal Feed Scheme

Poultry/Game Bird Feed

Test Material Code # 201630

Analyte Summary Report

Analytes Reported: 81

Labs Reporting: 204

Issue Date : 11/30/2016

Analyte Group Code	Analyte and Method	Total # Tests Submitted	# Tests in Robust Calcs	Raw Mean	Raw SD	Assigned Value - Robust Mean	AAFCO PT fp - Robust sd	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD
000	Urea (%)	1	1	0.20000							
001	Loss on Drying (%)	77	74	8.3448	0.42935	8.3676	0.33440	0.04859	4.00%	0.11719	2.91%
002	Protein (%)	211	207	27.834	0.63396	27.817	0.38270	0.03325	1.38%	0.17527	1.90%
003	Fat (%)	155	152	3.0625	0.31404	3.0576	0.21948	0.02225	7.18%	0.09151	3.38%
004	Fiber (%)	128	127	4.7887	0.57303	4.8101	0.51524	0.05715	10.71%	0.18434	3.16%
005	Ash (%)	151	147	7.0107	0.41274	6.9857	0.24313	0.02507	3.48%	0.07909	2.99%
006	Total sugars (%)	8	8	5.8244	1.4052	6.1041	0.83753	0.37014	13.72%	0.28125	3.05%
008	Fiber (%)	63	62	6.6441	0.80102	6.6269	0.70699	0.11223	10.67%	0.20706	3.01%
009	Fiber (%)	52	51	13.950	1.8752	13.752	1.3756	0.24078	10.00%	0.44658	2.70%
010	Moisture (%)	27	26	8.5268	0.80058	8.6007	0.52408	0.12848	6.09%	0.11798	2.89%
011	Loss on Drying (%)	81	80	9.1139	0.38763	9.1332	0.36702	0.05129	4.02%	0.09409	2.87%
012	Starch (%)	36	36	25.105	2.4166	25.170	2.5462	0.53046	10.12%	0.41949	1.99%
013	Fat (%)	53	51	4.0451	0.63976	4.0776	0.58449	0.10231	14.33%	0.16769	3.24%
015	Aluminum (mg / kg (ppm))	13	13	84.049	32.525	80.147	26.087	9.0441	32.55%	2.3829	8.27%
017	Boron (mg / kg (ppm))	13	13	19.107	7.6940	17.337	2.3554	0.81658	13.59%	0.74308	10.41%
019	Calcium (%)	152	147	1.3197	0.13159	1.3105	0.07145	0.00737	5.45%	0.02590	3.84%
021	Cobalt (mg / kg (ppm))	30	29	1.3334	0.43618	1.3069	0.42504	0.09866	32.52%	0.09182	15.37%
022	Copper (mg / kg (ppm))	96	94	19.800	3.1867	19.970	1.7607	0.22700	8.82%	0.93747	10.19%
023	Fluorine (mg / kg (ppm))	1	1	5.8500							
024	Iodine (mg / kg (ppm))	1	1	1.2050							
025	Iron (mg / kg (ppm))	91	89	200.97	40.901	200.06	19.961	2.6448	9.98%	5.7900	7.21%
027	Magnesium (%)	109	108	0.24029	0.01545	0.24074	0.01306	0.00157	5.42%	0.00573	4.96%
028	Manganese (mg / kg (ppm))	98	97	110.31	9.5663	110.37	6.2248	0.79005	5.64%	3.8092	7.88%
031	Phosphorus (%)	142	139	0.72521	0.03691	0.72483	0.03306	0.00351	4.56%	0.01365	4.20%
032	Potassium (%)	96	94	1.4812	1.1214	1.3758	0.07946	0.01024	5.78%	0.03126	3.81%
033	Salt as chloride (%)	76	73	0.36254	0.06718	0.36210	0.04650	0.00680	12.84%	0.01504	4.66%
034	Selenium (mg / kg (ppm))	21	19	0.81171	1.1278	0.56128	0.11980	0.03436	21.34%	0.04541	17.45%
035	Sodium (%)	109	108	0.13206	0.07184	0.12287	0.01149	0.00138	9.35%	0.00595	5.48%
036	Sulfur (%)	40	39	0.31412	0.03545	0.30981	0.02085	0.00417	6.73%	0.01088	4.77%
037	Zinc (mg / kg (ppm))	103	101	130.10	22.975	129.05	10.410	1.2948	8.07%	4.0662	7.70%

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038	Molybdenum (mg / kg (ppm))	21	21	2.9106	0.61721	2.9104	0.44527	0.12146	15.30%	0.14431	13.62%
040	Barium (mg / kg (ppm))	6	6	10.601	1.4078	10.407	1.1205	0.57179	10.77%	0.37448	11.24%
041	Vanadium (mg / kg (ppm))	5	5	1.1047	0.81370	1.1047	0.81370	0.36390	73.66%	0.06460	15.76%
042	Chloride (%)	4	4	0.58250	0.76855	0.19833	0.02255	0.01127	11.37%	0.01500	5.10%
048	Bacitracin (mg / kg (ppm))	3	3	15.752	5.2444	15.752	5.2444	3.0278	33.29%	0.96583	10.56%
101	Choline Chloride (mg / kg (ppm))	1	1	2,535.0							
102	Niacin (mg / kg (ppm))	1	1	138.50							
103	Pantothenic Acid (mg / kg (ppm))	2	2	17.435	12.466						
104	Riboflavin (mg / kg (ppm))	6	6	30.373	4.5023	30.373	5.1056	2.6054	16.81%	4.2600	9.57%
105	Thiamine (mg / kg (ppm))	3	3	2.8227	2.0195	2.8227	2.0195	1.1659	71.54%	0.19200	13.68%
106	Vitamin A (KU / kg)	24	23	18.264	5.4717	17.892	5.0914	1.3270	28.46%	0.79090	
107	Vitamin B12 (µg / kg (ppb))	1	1	65.750							
108	Vitamin D3 (KU / kg)	6	6	5.8192	1.6830	5.8957	1.7278	0.88171	29.31%	0.33833	
109	Vitamin E (IU/kg)	21	20	67.416	15.811	66.065	14.849	4.1505	22.48%	2.0304	
112	Pyridoxine (µg / g)	2	2	9.0150	6.3427						
113	Folic Acid (mg / kg (ppm))	1	1	4.0000							
114	Biotin (mg / kg (ppm))	1	1	1.1800							
120	Alanine (%)	23	22	1.3361	0.05235	1.3319	0.04303	0.01147	3.23%	0.01542	3.83%
121	Arginine (%)	22	21	1.8624	0.06096	1.8652	0.06295	0.01717	3.38%	0.03211	3.64%
122	Aspartic (%)	23	23	2.8998	0.08833	2.8982	0.07134	0.01859	2.46%	0.04833	3.41%
124	Cysteine/Cystine (%)	23	22	0.39166	0.02713	0.39134	0.02059	0.00549	5.26%	0.00757	4.61%
125	Glutamic (%)	23	22	4.8241	0.12165	4.8286	0.08553	0.02279	1.77%	0.06881	3.16%
126	Glycine (%)	23	23	1.3808	0.05602	1.3743	0.03609	0.00941	2.63%	0.02352	3.81%
127	Histidine (%)	21	20	0.71105	0.04149	0.70450	0.01692	0.00473	2.40%	0.00793	4.22%
128	Isoleucine (%)	22	21	1.1582	0.03545	1.1610	0.03250	0.00887	2.80%	0.02029	3.91%
129	Leucine (%)	23	22	2.1091	0.05828	2.1078	0.04844	0.01291	2.30%	0.03120	3.58%
130	L-Lysine (%)	29	29	1.6047	0.07996	1.6096	0.07032	0.01632	4.37%	0.02908	3.72%
131	Methionine (%)	26	26	0.51014	0.04770	0.51637	0.03226	0.00791	6.25%	0.01499	4.42%
132	Phenylalanine (%)	23	22	1.3077	0.03699	1.3083	0.04074	0.01086	3.11%	0.01711	3.84%
133	Proline (%)	22	21	1.5867	0.07066	1.5769	0.04223	0.01152	2.68%	0.03041	3.73%
134	Serine (%)	23	23	1.3322	0.11969	1.3233	0.06674	0.01739	5.04%	0.03847	3.83%
135	Threonine (%)	23	22	1.0546	0.03418	1.0527	0.03297	0.00879	3.13%	0.01669	3.97%
136	Tryptophan (%)	12	11	0.34411	0.03392	0.34500	0.02271	0.00856	6.58%	0.00596	4.69%
137	Tyrosine (%)	18	17	0.87281	0.10697	0.88574	0.08717	0.02643	9.84%	0.02820	4.07%
138	Valine (%)	23	22	1.2974	0.05034	1.2975	0.05689	0.01516	4.38%	0.02616	3.85%
139	Taurine (%)	3	2	0.14750	0.00354					0.01500	
160	Fructose (%)	4	4	0.36838	0.22368	0.31783	0.24439	0.12219	76.89%	0.03125	4.75%
162	Glucose (%)	3	2	0.14700	0.04667					0.00200	

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163	Lactose (%)	3	1								
164	Maltose (%)	1		0.00000							
165	Sucrose (%)	5	5	3.7439	0.25292	3.7439	0.25292	0.11311	6.76%	0.11800	3.28%
166	Raffinose (%)	2	2	0.65450	0.09122						
167	Stachyose (%)	2	2	2.1775	0.18031						
348	Bacitracin, residual (µg / kg (ppb))	1	1	22.420							
400	Water activity (Units)	9	9	0.48293	0.01716	0.48241	0.01829	0.00762	3.79%	0.00292	
516	Arsenic, total (mg / kg (ppm))	13	11	0.31449	0.61063	0.14029	0.06439	0.02427	45.90%	0.01775	21.50%
518	Cadmium (mg / kg (ppm))	13	11	0.08528	0.07224	0.06768	0.00614	0.00231	9.07%	0.00189	22.00%
520	Chromium (mg / kg (ppm))	14	13	12.751	22.798	5.0343	5.7404	1.9901	114.03%	0.56223	12.54%
526	Lead (mg / kg (ppm))	14	13	0.52014	0.66109	0.27185	0.06844	0.02373	25.17%	0.10308	19.46%
529	Mercury (µg / kg (ppb))	1	1	7.4691							
539	Nickel (mg / kg (ppm))	7	7	69.743	114.61	69.743	129.97	61.404	186.35%	4.4178	8.44%

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.