



AAFCO
Association of American Feed Control Officials



Animal Feed Scheme
Chick Starter, Medicated
Test Material Code # 202225

Analyte Summary Report

Labs Reporting: 177
Analytes Reported: 103
Issue Date : 06/30/2022

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	0.4500							
001	Loss on Drying (%)	74	73	10.34	0.5489	10.42	0.3302	0.0483	3.17%	0.1364	2.81%
002	Protein, Crude (%)	177	172	19.56	0.5457	19.60	0.3086	0.0294	1.57%	0.1960	2.26%
003	Fat, Crude (%)	139	137	3.551	0.4646	3.559	0.3183	0.0340	8.94%	0.1067	3.30%
004	Fiber, Crude (%)	107	106	3.522	0.3797	3.493	0.2937	0.0357	8.41%	0.1458	3.31%
005	Ash (%)	141	138	6.361	0.2812	6.355	0.2361	0.0251	3.72%	0.0899	3.03%
006	Total Sugars (%)	10	10	4.103	0.7627	4.082	0.8191	0.3238	20.07%	0.1236	3.24%
008	Fiber, Acid Detergent (%)	62	61	4.965	0.4928	4.953	0.4312	0.0690	8.71%	0.2017	3.14%
009	Fiber, Neutral Detergent (%)	60	57	13.28	2.243	12.94	1.170	0.1938	9.04%	0.2420	2.72%
010	Moisture (%)	22	21	10.40	0.6683	10.40	0.5780	0.1577	5.56%	0.0861	2.81%
011	Loss on Drying, HT (%)	76	73	11.07	0.5927	11.13	0.4299	0.0629	3.86%	0.1112	2.78%
012	Starch (%)	41	40	39.47	2.501	39.43	2.432	0.4807	6.17%	0.4624	1.59%
013	Fat, Acid Pretreat (%)	47	46	4.385	0.6623	4.405	0.6304	0.1162	14.31%	0.1679	3.20%
015	Aluminum (ppm)	19	19	90.94	15.70	93.87	9.714	2.786	10.35%	2.301	8.08%
017	Boron (ppm)	21	20	10.99	1.576	10.90	1.244	0.3478	11.41%	0.5764	11.17%
019	Calcium (%)	131	128	1.283	0.0798	1.278	0.0622	0.0069	4.87%	0.0392	3.85%
021	Cobalt (ppm)	28	23	0.8944	0.2546	0.8613	0.1420	0.0370	16.49%	0.0512	16.36%
022	Copper (ppm)	96	93	19.44	2.855	19.43	2.135	0.2767	10.99%	1.106	10.24%
025	Iron (ppm)	91	89	247.7	36.72	249.3	19.91	2.639	7.99%	8.772	6.97%
027	Magnesium (%)	98	96	0.2003	0.0198	0.1986	0.0123	0.0016	6.17%	0.0053	5.10%
028	Manganese (ppm)	96	94	115.1	9.476	115.3	8.541	1.101	7.41%	4.508	7.83%
030	Nitrate (%)	1	1	0.2327							
031	Phosphorus (%)	125	122	0.7072	0.0428	0.7063	0.0305	0.0035	4.32%	0.0189	4.21%
032	Potassium (%)	98	97	0.8732	0.0632	0.8751	0.0576	0.0073	6.58%	0.0189	4.08%
033	Salt as chloride (%)	63	62	0.7051	0.0640	0.7067	0.0443	0.0070	6.27%	0.0129	4.21%
034	Selenium, Total (Se) (ppm)	16	13	0.8542	0.1405	0.8398	0.1212	0.0420	14.43%	0.0529	16.42%
035	Sodium (%)	94	90	0.2630	0.0231	0.2624	0.0165	0.0022	6.29%	0.0072	4.89%
036	Sulfur (%)	53	51	0.2532	0.0362	0.2567	0.0194	0.0034	7.57%	0.0082	4.91%
037	Zinc (ppm)	99	97	150.3	15.23	149.2	11.78	1.495	7.90%	4.468	7.53%

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 (R-bar)	Thompson Horwitz %RSD
038	Molybdenum (ppm)	22	21	1.293	0.1110	1.295	0.1138	0.0310	8.79%	0.0783	15.39%
040	Barium (ppm)	2	2	9.012	0.2966						
041	Vanadium (ppm)	2	2	0.4088	0.0321						
042	Chloride (%)	7	7	0.5725	0.2398	0.5725	0.2720	0.1285	47.51%	0.0159	4.35%
101	Choline Chloride (ppm)	1	1	1,930							
102	Niacin (ppm)	3	3	69.57	19.43	69.57	19.43	11.22	27.93%	2.800	8.45%
103	Pantothenic Acid (ppm)	2	2	17.15	0.2828						
104	Riboflavin (ppm)	5	4	8.273	1.241	8.273	1.241	0.6203	15.00%	0.1650	11.64%
105	Thiamine (ppm)	5	5	3.293	1.048	3.293	1.048	0.4685	31.82%	0.3180	13.37%
106	Vitamin A (KU / kg)	11	10	4.719	2.937	4.340	2.484	0.9817	57.23%	0.7482	
107	Vitamin B12 (ppb)	2	2	26.25	6.435						
108	Vitamin D3 (KU / kg)	5	4	2.173	0.5994	2.173	0.5994	0.2997	27.59%	0.3100	
109	Vitamin E (IU / kg)	11	10	29.58	4.444	29.45	4.278	1.691	14.53%	0.9948	
111	Vitamin C, Phosphorylated (ppm)	1		8.170							
112	Pyridoxine (µg / g)	3	3	4.875	1.298	4.875	1.298	0.7496	26.63%	0.0833	12.60%
113	Folic Acid (ppm)	2	2	1.399	0.1644						
114	Biotin (ppm)	1	1	0.6990							
115	Non Protein N (NPN) (%)	1	1	0.7350							
118	Peroxide value (meq/kg)	2	2	23.02	20.91						
120	Alanine (%)	26	25	1.027	0.0573	1.032	0.0445	0.0111	4.32%	0.0257	3.98%
121	Arginine (%)	26	26	1.195	0.1747	1.219	0.0551	0.0135	4.52%	0.0382	3.88%
122	Aspartic (%)	26	26	1.725	0.1198	1.741	0.0822	0.0201	4.72%	0.0550	3.68%
124	Cysteine/Cystine (%)	26	26	0.2902	0.0347	0.2916	0.0288	0.0070	9.86%	0.0117	4.81%
125	Glutamic (%)	26	26	3.164	0.1751	3.162	0.1550	0.0380	4.90%	0.0990	3.36%
126	Glycine (%)	26	25	1.135	0.0703	1.126	0.0527	0.0132	4.68%	0.0379	3.93%
127	Histidine (%)	26	25	0.4689	0.0443	0.4684	0.0398	0.0100	8.50%	0.0124	4.48%
128	Isoleucine (%)	26	25	0.7125	0.0699	0.7178	0.0518	0.0130	7.22%	0.0220	4.20%
129	Leucine (%)	26	25	1.465	0.0873	1.473	0.0595	0.0149	4.04%	0.0326	3.77%
130	L-Lysine (%)	28	27	0.9291	0.1756	0.9652	0.0756	0.0182	7.83%	0.0300	4.02%
131	Methionine (%)	27	27	0.2893	0.0357	0.2869	0.0280	0.0067	9.74%	0.0085	4.83%
132	Phenylalanine (%)	26	25	0.8667	0.0815	0.8540	0.0531	0.0133	6.21%	0.0228	4.10%
133	Proline (%)	25	24	1.188	0.0719	1.192	0.0521	0.0133	4.37%	0.0324	3.90%
134	Serine (%)	26	25	0.8670	0.0751	0.8739	0.0565	0.0141	6.47%	0.0244	4.08%
135	Threonine (%)	27	26	0.6982	0.0511	0.6960	0.0260	0.0064	3.73%	0.0154	4.22%
136	Tryptophan (%)	18	18	0.2394	0.0647	0.2310	0.0395	0.0116	17.10%	0.0070	4.99%
137	Tyrosine (%)	23	22	0.5971	0.0886	0.5954	0.0640	0.0171	10.75%	0.0159	4.32%
138	Valine (%)	26	25	0.8729	0.0625	0.8727	0.0526	0.0131	6.02%	0.0227	4.08%
139	Taurine (%)	6	3	0.0400	0.0195	0.0400	0.0195	0.0141	48.80%	0.0000	6.49%
160	Fructose (%)	4	3	0.2123	0.1063	0.2123	0.1063	0.0614	50.07%	0.0067	5.05%
161	Galactose (%)	1		0.0000							

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 (R-bar)	Thompson Horwitz %RSD
162	Glucose (%)	4	3	0.2353	0.1453	0.2353	0.1453	0.0839	61.73%	0.0033	4.97%
163	Lactose (%)	4									
164	Maltose (%)	3	2	0.2425	0.0389	0.2425	0.0389	0.0275	16.04%	0.0350	4.95%
165	Sucrose (%)	4	4	2.066	0.1976	2.066	0.1976	0.0988	9.56%	0.0475	3.59%
166	Raffinose (%)	3	3	0.4395	0.0243	0.4395	0.0243	0.0140	5.52%	0.0103	4.53%
167	Stachyose (%)	3	3	0.7927	0.0614	0.7927	0.0614	0.0354	7.74%	0.0247	4.14%
345	Amprolium (ppm)	11	11	113.5	30.37	107.3	15.12	5.699	14.10%	2.816	7.91%
348	Bacitracin (ppm)	3	3	16.94	2.565	16.94	2.565	1.481	15.14%	1.040	10.45%
361	Lasalocid Sodium (ppm)	10	10	5.056	2.571	4.484	1.182	0.4672	26.36%	0.3560	12.76%
400	Water Activity (Units)	15	14	0.5774	0.0221	0.5771	0.0150	0.0050	2.60%	0.0051	
516	Arsenic, Total (As) (ppm)	10	6	0.0379	0.0067	0.0373	0.0063	0.0032	16.94%	0.0051	22.00%
518	Cadmium (ppm)	12	10	0.1275	0.2232	0.0579	0.0056	0.0022	9.75%	0.0047	22.00%
520	Chromium, Total (Cr) (ppm)	14	13	2.187	0.4768	2.187	0.5406	0.1874	24.72%	0.1528	14.22%
526	Lead (ppm)	11	10	0.1460	0.0817	0.1326	0.0482	0.0191	36.36%	0.0385	21.68%
529	Mercury (ppb)	4	1								
539	Nickel (ppm)	8	7	2.162	0.7949	1.954	0.3334	0.1575	17.06%	0.0412	14.46%
710	Lauric Acid (12:0) (%) (w/w)	1		0.0050							
714	Myristic Acid (14:0) (%) (w/w)	1	1	0.0182							
716	Palmitic Acid (16:0) (%) (w/w)	1	1	0.6596							
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	1	1	0.0263							
722	Stearic Acid (18:0) (%) (w/w)	1	1	0.2383							
724	Oleic Acid (9c-18:1) (%) (w/w)	1	1	1.019							
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	1	1	1.456							
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	1	1	0.0753							
730	Arachidic Acid (20:0) (%) (w/w)	1	1	0.0120							
732	Gondoic Acid (11c-20:1) (%) (w/w)	1	1	0.0178							
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	0.0087							
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	0.0096							
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	3.541							

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.