

Animal Feed Scheme
Cottonseed Meal
Test Material Code # 201830

Analyte Summary Report

Analytes Reported: 101
Labs Reporting: 195
Issue Date : 11/30/2018

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	0.2000							
001	Loss on Drying (%)	83	81	9.722	0.4815	9.771	0.3451	0.0479	3.53%	0.1505	2.84%
002	Protein, Crude (%)	197	191	40.24	1.139	40.26	0.9897	0.0895	2.46%	0.3903	1.58%
003	Fat, Crude (%)	153	151	2.375	0.3082	2.376	0.2877	0.0293	12.10%	0.1094	3.51%
004	Fiber, Crude (%)	122	118	13.88	1.556	13.77	1.272	0.1464	9.24%	0.3460	2.70%
005	Ash (%)	147	143	6.516	0.5260	6.468	0.1327	0.0139	2.05%	0.0719	3.02%
006	Total Sugars (%)	8	8	5.299	2.505	5.299	2.841	1.256	53.61%	0.4600	3.11%
008	Fiber, Acid Detergent (%)	61	60	20.06	2.019	19.90	1.888	0.3047	9.49%	0.5068	2.24%
009	Fiber, Neutral Detergent (%)	61	59	29.01	4.975	28.31	3.794	0.6174	13.40%	0.8378	1.88%
010	Moisture (%)	26	26	9.804	0.4985	9.828	0.4415	0.1082	4.49%	0.1500	2.84%
011	Loss on Drying (%)	73	71	10.42	0.5450	10.48	0.4321	0.0641	4.12%	0.0994	2.81%
012	Starch (%)	32	30	1.579	1.249	1.517	1.274	0.2907	83.96%	0.1147	3.76%
013	Fat, Acid Pretreat (%)	48	47	3.631	1.130	3.646	0.7760	0.1415	21.28%	0.1872	3.29%
015	Aluminum (mg / kg (ppm))	9	9	5.550	2.458	5.492	2.657	1.107	48.37%	0.7726	12.38%
017	Boron (mg / kg (ppm))	16	16	16.98	1.046	16.97	1.175	0.3673	6.92%	1.089	10.45%
019	Calcium (%)	139	138	0.2907	0.3511	0.2398	0.0284	0.0030	11.84%	0.0126	4.96%
021	Cobalt (mg / kg (ppm))	14	14	0.4909	0.3095	0.4304	0.2000	0.0668	46.47%	0.0514	18.16%
022	Copper (mg / kg (ppm))	94	90	12.54	3.241	12.04	1.574	0.2074	13.07%	0.6623	11.00%
023	Fluorine (mg / kg (ppm))	1	1	2.850							
025	Iron (mg / kg (ppm))	86	84	127.8	30.14	124.8	17.25	2.353	13.83%	11.67	7.74%
027	Magnesium (%)	97	96	0.8496	2.008	0.6424	0.0439	0.0056	6.83%	0.0231	4.28%
028	Manganese (mg / kg (ppm))	92	88	21.95	3.478	22.18	2.443	0.3256	11.02%	0.7822	10.03%
031	Phosphorus (%)	140	136	1.164	0.0792	1.167	0.0568	0.0061	4.87%	0.0231	3.91%
032	Potassium (%)	102	101	1.582	0.0967	1.580	0.0830	0.0103	5.25%	0.0436	3.73%
033	Salt as chloride (%)	42	38	0.0961	0.0509	0.0889	0.0334	0.0068	37.53%	0.0071	5.76%
034	Selenium (mg / kg (ppm))	12	11	0.3497	0.2387	0.2910	0.0758	0.0286	26.05%	0.0295	19.26%
035	Sodium (%)	97	94	0.1224	0.0228	0.1195	0.0129	0.0017	10.79%	0.0053	5.51%
036	Sulfur (%)	35	33	0.4051	0.0657	0.4127	0.0405	0.0088	9.81%	0.0162	4.57%
037	Zinc (mg / kg (ppm))	94	92	59.73	6.587	59.46	5.429	0.7075	9.13%	2.316	8.65%
038	Molybdenum (mg / kg (ppm))	16	15	0.3823	0.1210	0.3776	0.1049	0.0339	27.78%	0.0820	18.52%
040	Barium (mg / kg (ppm))	2	2	4.726	0.1615						
042	Chloride (%)	1		0.0000							

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102	Niacin (mg / kg (ppm))	1	1	25.55							
103	Pantothenic Acid (mg / kg (ppm))	1	1	5.645							
104	Riboflavin (mg / kg (ppm))	2	2	1.278	1.269						
105	Thiamine (mg / kg (ppm))	2	2	5.098	0.9228						
106	Vitamin A (KU / kg)	5	4	4.760	5.436	4.760	5.436	3.398	114.21%	0.4950	
108	Vitamin D3 (KU / kg)	2	2	1.538	2.118						
109	Vitamin E (IU / kg)	6	5	22.78	11.35	22.78	11.35	6.347	49.84%	0.5400	
112	Pyridoxine (µg / g)	1	1	5.635							
113	Folic Acid (mg / kg (ppm))	1	1	1.680							
114	Biotin (mg / kg (ppm))	1	1	0.4305							
118	Peroxide value (meq/kg)	1	1	1.500							
120	Alanine (%)	37	36	1.532	0.1159	1.524	0.1030	0.0215	6.76%	0.0289	3.75%
121	Arginine (%)	36	35	4.376	0.2596	4.369	0.2077	0.0439	4.75%	0.0812	3.20%
122	Aspartic (%)	37	36	3.630	0.3591	3.588	0.1925	0.0401	5.36%	0.0613	3.30%
124	Cysteine/Cystine (%)	36	36	0.6549	0.0896	0.6548	0.0789	0.0164	12.05%	0.0246	4.26%
125	Glutamic (%)	37	36	7.750	0.5776	7.769	0.5509	0.1148	7.09%	0.1289	2.94%
126	Glycine (%)	37	36	1.629	0.0988	1.626	0.0907	0.0189	5.58%	0.0268	3.72%
127	Histidine (%)	37	37	1.077	0.1043	1.081	0.0582	0.0120	5.39%	0.0201	3.95%
128	Isoleucine (%)	37	36	1.191	0.1482	1.207	0.1047	0.0218	8.67%	0.0262	3.89%
129	Leucine (%)	37	36	2.226	0.1392	2.232	0.0948	0.0198	4.25%	0.0311	3.54%
130	L-Lysine (%)	41	40	1.697	0.1398	1.701	0.1238	0.0245	7.28%	0.0435	3.69%
131	Methionine (%)	40	39	0.5516	0.1076	0.5693	0.0421	0.0084	7.40%	0.0140	4.35%
132	Phenylalanine (%)	37	37	2.062	0.1169	2.073	0.1018	0.0209	4.91%	0.0366	3.58%
133	Proline (%)	36	36	1.481	0.1387	1.471	0.1197	0.0249	8.14%	0.0460	3.77%
134	Serine (%)	37	37	1.679	0.1310	1.676	0.1248	0.0256	7.44%	0.0363	3.70%
135	Threonine (%)	38	38	1.269	0.0789	1.269	0.0824	0.0167	6.49%	0.0292	3.86%
136	Tryptophan (%)	23	23	0.5002	0.1560	0.4776	0.0752	0.0196	15.75%	0.0164	4.47%
137	Tyrosine (%)	30	30	1.116	0.1568	1.107	0.1498	0.0342	13.53%	0.0331	3.94%
138	Valine (%)	37	36	1.644	0.1864	1.667	0.1564	0.0326	9.39%	0.0328	3.70%
139	Taurine (%)	4	3	0.0243	0.0215	0.0243	0.0215	0.0155	88.20%	0.0000	7.00%
160	Fructose (%)	2	2	0.1250	0.0354						
162	Glucose (%)	2	2	0.1250	0.0354						
163	Lactose (%)	2	2	0.1250	0.0354						
164	Maltose (%)	2	2	0.1250	0.0354						
165	Sucrose (%)	3	3	0.9483	0.0852	0.9483	0.0852	0.0615	8.98%	0.0567	4.03%
166	Raffinose (%)	1	1	4.230							
167	Stachyose (%)	1	1	0.6800							
400	Water Activity (Units)	9	8	0.5737	0.0141	0.5737	0.0160	0.0071	2.79%	0.0039	
412	Starch, Dietary (%)	1	1	0.3650							
516	Arsenic, Total (mg / kg (ppm))	7	6	0.0270	0.0204	0.0270	0.0231	0.0118	85.44%	0.0020	22.00%

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518	Cadmium (mg / kg (ppm))	10	9	0.1794	0.0139	0.1794	0.0158	0.0066	8.81%	0.0058	20.72%
520	Chromium (mg / kg (ppm))	9	9	0.6504	0.3812	0.6504	0.4323	0.1801	66.46%	0.1928	17.07%
526	Lead (mg / kg (ppm))	5	4	0.0314	0.0119	0.0314	0.0119	0.0074	37.85%	0.0014	22.00%
539	Nickel (mg / kg (ppm))	4	4	7.050	0.0902	7.050	0.0902	0.0563	1.28%	0.1019	11.92%
710	Lauric Acid (12:0) (% (w/w))	3	3	0.0075	0.0109	0.0075	0.0109	0.0079	145.65%	0.0001	
714	Myristic Acid (14:0) (% (w/w))	2	2	0.0198	0.0003						
716	Palmitic Acid (16:0) (% (w/w))	2	2	0.6694	0.1617						
718	Palmitoleic Acid (9c-16:1) (% (w/w))	3	3	0.0171	0.0029	0.0171	0.0029	0.0021	17.18%	0.0009	
722	Stearic Acid (18:0) (% (w/w))	1	1	0.1037							
724	Oleic Acid (9c-18:1) (% (w/w))	2	2	0.4382	0.0822						
726	Linoleic Acid (9c,12c-18:2) (% (w/w))	4	4	1.647	0.3636	1.647	0.3636	0.2273	22.08%	0.0575	
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (% (w/w))	3	3	0.0175	0.0031	0.0175	0.0031	0.0022	17.51%	0.0006	
730	Arachidic Acid (20:0) (% (w/w))	1	1	0.0119							
732	Gondoic Acid (11c-20:1) (% (w/w))	1	1	0.0010							
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))	1	1	0.0050							
742	Behenic Acid (22:0) (% (w/w))	2	2	0.0156	0.0063						
744	Erucic Acid (13c-22:1) (% (w/w))	1	1	0.0050							
746	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5) (%)	1	1	0.0050							
748	Lignoceric Acid (24:0) (% (w/w))	1	1	0.0068							
750	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6) (%)	1	1	0.0050							
752	Nervonic Acid (24:1) isomers (% (w/w))	1	1	0.0050							
754	Total n-3 Polyunsaturated (Omega-3) Fatty Acids (% (w/w))	3	3	0.0300	0.0173	0.0300	0.0173	0.0125	57.73%	0.0000	
756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	3	3	1.640	0.4451	1.640	0.4451	0.3212	27.14%	0.0333	
758	Total Saturated Fatty Acids (% (w/w))	1	1	0.6650							
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	0.4200							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	1.195							
770	Total Fat (equivalent to NLEA) (% (w/w))	1	1	2.390							
772	Total Fatty Acids (% (w/w))	2	2	2.707	0.5972						

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.