



Animal Feed Scheme
Swine Feed, Residue
Test Material Code # 201932

Analyte Summary Report

Labs Reporting: 183
Analytes Reported: 115
Issue Date : 01/31/2020

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	0.3500							
001	Loss on Drying (%)	84	81	9.597	0.5372	9.651	0.3138	0.0436	3.25%	0.0853	2.84%
002	Protein, Crude (%)	182	179	15.78	0.4964	15.73	0.2569	0.0240	1.63%	0.1496	2.52%
003	Fat, Crude (%)	147	144	2.576	0.4979	2.551	0.4655	0.0485	18.25%	0.1016	3.47%
004	Fiber, Crude (%)	117	116	3.232	0.5837	3.191	0.4109	0.0477	12.88%	0.1528	3.36%
005	Ash (%)	137	133	11.44	0.8170	11.50	0.5376	0.0583	4.68%	0.1577	2.77%
006	Total Sugars (%)	6	6	3.654	1.670	3.964	1.116	0.5697	28.17%	0.4429	3.25%
008	Fiber, Acid Detergent (%)	55	53	4.313	0.4411	4.297	0.4447	0.0764	10.35%	0.1730	3.21%
009	Fiber, Neutral Detergent (%)	53	52	11.75	0.8751	11.67	0.7135	0.1237	6.11%	0.2541	2.76%
010	Moisture (%)	19	18	9.853	0.5271	9.769	0.3598	0.1060	3.68%	0.1209	2.84%
011	Loss on Drying (%)	66	65	10.48	0.4395	10.48	0.4666	0.0723	4.45%	0.1524	2.81%
012	Starch (%)	40	38	38.60	2.533	38.56	2.249	0.4561	5.83%	0.5553	1.61%
013	Fat, Acid Pretreat (%)	46	45	3.553	0.7300	3.557	0.8074	0.1504	22.70%	0.1474	3.30%
015	Aluminum (ppm)	16	15	148.9	22.79	148.7	20.31	6.554	13.66%	5.214	7.54%
017	Boron (ppm)	21	19	8.274	1.403	8.253	1.272	0.3647	15.41%	0.3134	11.64%
019	Calcium (%)	130	129	3.063	0.1891	3.054	0.1482	0.0163	4.85%	0.0736	3.38%
021	Cobalt (ppm)	19	17	0.9984	0.2806	1.016	0.2727	0.0827	26.84%	0.0588	15.96%
022	Copper (ppm)	92	90	69.12	6.258	69.01	4.497	0.5925	6.52%	2.722	8.46%
025	Iron (ppm)	88	87	892.9	143.9	906.4	98.13	13.15	10.83%	22.78	5.74%
027	Magnesium (%)	100	99	0.2109	0.0151	0.2111	0.0124	0.0016	5.88%	0.0059	5.05%
028	Manganese (ppm)	91	90	158.7	12.95	159.2	12.06	1.589	7.58%	4.981	7.46%
031	Phosphorus (%)	129	126	0.9211	0.0553	0.9240	0.0454	0.0051	4.91%	0.0219	4.05%
032	Potassium (%)	92	91	0.7965	0.0569	0.7946	0.0485	0.0064	6.11%	0.0203	4.14%
033	Salt as chloride (%)	72	70	1.509	0.0821	1.506	0.0590	0.0088	3.91%	0.0331	3.76%
034	Selenium (ppm)	25	24	1.501	0.4753	1.462	0.2564	0.0654	17.53%	0.0658	15.11%
035	Sodium (%)	94	93	0.5565	0.0370	0.5563	0.0356	0.0046	6.41%	0.0149	4.37%
036	Sulfur (%)	42	42	0.2968	0.0243	0.2954	0.0237	0.0046	8.02%	0.0110	4.81%
037	Zinc (ppm)	97	94	576.9	47.12	576.7	44.49	5.737	7.71%	19.64	6.14%
038	Molybdenum (ppm)	20	20	1.404	0.3605	1.337	0.2381	0.0666	17.80%	0.0989	15.31%

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040	Barium (ppm)	2	2	8.197	0.4500						
042	Chloride (%)	3	3	0.9415	0.0154	0.9415	0.0154	0.0089	1.64%	0.0050	4.04%
101	Choline Chloride (ppm)	2	2	1,774	191.2						
102	Niacin (ppm)	2	2	64.71	71.83						
103	Pantothenic Acid (ppm)	2	2	66.88	4.349						
104	Riboflavin (ppm)	5	4	19.93	4.757	19.93	4.757	2.378	23.87%	1.015	10.20%
105	Thiamine (ppm)	1	1	3.015							
106	Vitamin A (KU / kg)	14	14	10.81	7.310	9.657	5.518	1.844	57.14%	1.953	
108	Vitamin D3 (KU / kg)	6	5	1.498	0.6609	1.498	0.6609	0.3694	44.12%	0.0920	
109	Vitamin E (IU / kg)	9	9	81.30	29.04	88.29	12.23	5.097	13.86%	4.687	
115	Non Protein N (NPN) (%)	1	1	0.5200							
118	Peroxide value (meq/kg)	1	1	6.320							
120	Alanine (%)	30	28	0.7876	0.0412	0.7890	0.0303	0.0072	3.84%	0.0139	4.14%
121	Arginine (%)	29	27	1.001	0.0462	0.9991	0.0301	0.0072	3.01%	0.0218	4.00%
122	Aspartic (%)	29	28	1.392	0.0880	1.388	0.0639	0.0151	4.61%	0.0220	3.81%
124	Cysteine/Cystine (%)	29	28	0.2727	0.0419	0.2696	0.0296	0.0070	10.98%	0.0074	4.87%
125	Glutamic (%)	30	29	2.717	0.1502	2.712	0.1233	0.0286	4.55%	0.0516	3.44%
126	Glycine (%)	30	27	0.7413	0.0371	0.7390	0.0213	0.0051	2.89%	0.0098	4.19%
127	Histidine (%)	30	28	0.3951	0.0306	0.3928	0.0258	0.0061	6.57%	0.0097	4.60%
128	Isoleucine (%)	30	29	0.5715	0.0367	0.5718	0.0333	0.0077	5.83%	0.0193	4.35%
129	Leucine (%)	29	28	1.185	0.0760	1.193	0.0502	0.0119	4.21%	0.0236	3.89%
130	L-Lysine (%)	31	29	0.7538	0.0727	0.7420	0.0385	0.0089	5.19%	0.0161	4.18%
131	Methionine (%)	30	29	0.2407	0.0311	0.2374	0.0230	0.0053	9.70%	0.0075	4.97%
132	Phenylalanine (%)	29	28	0.7062	0.0413	0.7064	0.0346	0.0082	4.89%	0.0171	4.21%
133	Proline (%)	28	27	0.9333	0.0927	0.9361	0.0568	0.0137	6.07%	0.0384	4.04%
134	Serine (%)	29	27	0.7074	0.0535	0.7069	0.0399	0.0096	5.64%	0.0159	4.21%
135	Threonine (%)	29	28	0.5541	0.0436	0.5541	0.0297	0.0070	5.36%	0.0197	4.37%
136	Tryptophan (%)	18	18	0.1826	0.0496	0.1847	0.0187	0.0055	10.11%	0.0049	5.16%
137	Tyrosine (%)	24	23	0.4732	0.0708	0.4784	0.0688	0.0179	14.37%	0.0147	4.47%
138	Valine (%)	29	27	0.6882	0.0552	0.6941	0.0477	0.0115	6.87%	0.0150	4.23%
139	Taurine (%)	4	3	0.2310	0.1477	0.2310	0.1477	0.0853	63.95%	0.0173	4.99%
150	Phytase (Units / kg)	4	4	1,841	1,164	1,841	1,164	581.8	63.19%	101.1	
160	Fructose (%)	3	3	0.1735	0.0451	0.1735	0.0451	0.0260	25.97%	0.0169	5.21%
161	Galactose (%)	1		0.0000							
162	Glucose (%)	3	3	0.2540	0.1601	0.2540	0.1601	0.0924	63.00%	0.0254	4.92%
163	Lactose (%)	3	2	0.1505	0.0707	0.1505	0.0707	0.0500	46.98%	0.0120	5.32%
164	Maltose (%)	2	2	0.9867	0.9987						
165	Sucrose (%)	3	3	2.033	0.0754	2.033	0.0754	0.0435	3.71%	0.0768	3.59%
166	Raffinose (%)	2	2	0.4010	0.0467						
167	Stachyose (%)	2	2	0.8390	0.0764						

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350	Carbadox (ppm)	1	1	0.5890							
351	Chlortetracycline (ppm)	6	5	2.171	0.3173	2.171	0.3173	0.1774	14.62%	0.1201	14.24%
373	Oxytetracycline (ppm)	5	3	0.8610	0.2200	0.8610	0.2200	0.1270	25.55%	0.0491	16.36%
381	Sulfadimethoxine (ppm)	1	1	0.2050							
382	Sulfamethazine (ppm)	1	1	0.4525							
386	Tiamulin (ppm)	3	2	0.6015	0.5636	0.6015	0.5636	0.3985	93.69%	0.0000	17.27%
388	Tylosin (ppm)	1		0.2000							
393	Ractopamine Hydrochloride (ppm)	4									
400	Water Activity (Units)	10	10	0.5489	0.0389	0.5489	0.0440	0.0174	8.02%	0.0046	
412	Starch, Dietary (%)	1	1	36.63							
516	Arsenic, Total (ppm)	10	8	0.2696	0.0312	0.2693	0.0136	0.0060	5.05%	0.0183	19.49%
518	Cadmium (ppm)	13	12	0.1682	0.0272	0.1636	0.0165	0.0060	10.08%	0.0134	21.01%
520	Chromium (ppm)	13	13	3.699	1.048	3.691	1.173	0.4068	31.79%	0.2302	13.14%
526	Lead (ppm)	11	9	0.2295	0.0783	0.2186	0.0549	0.0229	25.12%	0.0173	20.11%
529	Mercury (ppb)	3	1								
539	Nickel (ppm)	8	8	2.445	0.4386	2.445	0.4974	0.2198	20.34%	0.1211	13.98%
702	Butyric Acid (4:0) (%)	1		0.0000							
704	Caproic Acid (6:0) (%)	1	1	0.0025							
706	Caprylic acid (8:0) (%) (w/w)	2	1	0.0650							
708	Capric acid (10:0) (%) (w/w)	1		0.0000							
710	Lauric Acid (12:0) (%) (w/w)	4	1								
714	Myristic Acid (14:0) (%) (w/w)	4	3	0.0805	0.1124	0.0805	0.1124	0.0649	139.65%	0.0137	
716	Palmitic Acid (16:0) (%) (w/w)	4	3	0.5602	0.0475	0.5602	0.0475	0.0274	8.48%	0.0217	
718	Palmitoleic Acid (9c-16:1) (%) (w/w)	4	3	0.0178	0.0089	0.0178	0.0089	0.0051	49.86%	0.0010	
722	Stearic Acid (18:0) (%) (w/w)	4	3	0.0927	0.0212	0.0927	0.0212	0.0123	22.90%	0.0000	
724	Oleic Acid (9c-18:1) (%) (w/w)	4	3	0.7248	0.0537	0.7248	0.0537	0.0310	7.41%	0.0257	
726	Linoleic Acid (9c,12c-18:2) (%) (w/w)	4	3	1.744	0.5838	1.744	0.5838	0.3371	33.47%	0.0343	
728	alpha-Linolenic Acid (9c,12c,15c-18:3) (%) (w/w)	3	3	0.0640	0.0078	0.0640	0.0078	0.0045	12.20%	0.0033	
730	Arachidic Acid (20:0) (%) (w/w)	4	3	0.1227	0.1840	0.1227	0.1840	0.1062	149.98%	0.0173	
732	Gondoic Acid (11c-20:1) (%) (w/w)	2	2	0.0188	0.0103						
736	Arachidonic Acid (5c,8c,11c,14c-20:4) (%) (w/w)	2		0.0000							
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)	3	2	0.0640	0.0792	0.0640	0.0792	0.0560	123.75%	0.0410	
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)	2	2	0.0893	0.1142						
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)	1	1	0.0600							

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756	Total n-6 Polyunsaturated (Omega-6) Fatty Acids (% (w/w))	1	1	1.320							
758	Total Saturated Fatty Acids (% (w/w))	1	1	0.7900							
762	Total Monounsaturated Fatty Acids (% (w/w))	1	1	0.8450							
766	Total Polyunsaturated Fatty Acids (% (w/w))	1	1	1.595							
770	Total Fat (equivalent to NLEA) (% (w/w))	2	2	4.198	1.128						
772	Total Fatty Acids (% (w/w))	2	2	3.135	0.1626						

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.