

## Animal Feed Scheme

Test Material Code # 201931

Report Card for Lab Code 0000

Issue Date : 12/31/2019

Llama Feed

Proficiency Testing For 40 Analytes

Method Group	Analyte Group (Units)	Lab 0870 Data		Method Values				AAFCO PT	Lab 0870	Flag
		Value	range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	Method	
002	Protein, Crude (%)	24.14	0.0856	23.90	0.4052	0.1802	185	0.61	002.06	0
002	Protein, Crude (%)	24.19	0.0670	23.90	0.4052	0.1802	185	0.72	002.01	0
003	Fat, Crude (%)	2.368	0.0572	2.394	0.2295	0.0937	137	-0.11	003.10	0
003	Fat, Crude (%)	2.398	0.1661	2.394	0.2295	0.0937	137	0.01	003.09	0
003	Fat, Crude (%)	2.709	0.0087	2.394	0.2295	0.0937	137	1.37	003.13	0
004	Fiber, Crude (%)	17.07	0.5009	17.19	1.293	0.2386	122	-0.09	004.07	0
005	Ash (%)	16.90	0.0109	16.74	0.2562	0.1185	136	0.62	005.00	0
008	Fiber, Acid Detergent (%)	22.42	0.7223	22.94	1.716	0.3778	60	-0.30	008.08	0
009	Fiber, Neutral Detergent (%)	32.32	0.9137	34.14	1.993	0.4819	58	-0.91	009.09	0
011	Loss on Drying (%)	9.255	0.0512	8.884	0.4025	0.1263	68	0.92	011.01	0
012	Starch (%)	5.849	0.3357	6.717	0.9968	0.1760	35	-0.87	012.01	0
013	Fat, Acid Pretreat (%)	3.745	0.2569	3.509	0.5971	0.1834	50	0.40	013.02	0
019	Calcium (%)	2.218	0.0260	2.141	0.1129	0.0545	139	0.68	019.42	0
022	Copper (mg / kg (ppm))	54.14	1.560	52.66	6.264	1.828	93	0.24	022.42	0
025	Iron (mg / kg (ppm))	1,041	46.00	1,217	204.1	44.46	89	-0.86	025.42	0
027	Magnesium (%)	0.3915	0.0165	0.4114	0.0242	0.0103	99	-0.82	027.42	0
028	Manganese (mg / kg (ppm))	492.8	20.50	477.9	32.24	16.26	95	0.46	028.42	0
031	Phosphorus (%)	1.273	0.0150	1.222	0.0613	0.0294	132	0.82	031.42	0
032	Potassium (%)	1.722	0.0460	1.708	0.0911	0.0423	96	0.15	032.42	0
035	Sodium (%)	1.315	0.0440	1.235	0.0846	0.0327	94	0.94	035.42	0
036	Sulfur (%)	0.5147	0.0018	0.5523	0.0362	0.0138	41	-1.04	036.42	0
037	Zinc (mg / kg (ppm))	1,694	1.000	1,611	154.1	52.04	100	0.53	037.42	0
120	Alanine (%)	0.8091	0.0049	0.7971	0.0605	0.0181	34	0.20	120.00	0
121	Arginine (%)	1.019	0.0396	1.044	0.0622	0.0191	32	-0.41	121.00	0
122	Aspartic (%)	1.766	0.1144	1.665	0.0928	0.0469	33	1.09	122.00	0
124	Cysteine/Cystine (%)	0.2166	0.0076	0.2578	0.0333	0.0125	34	-1.24	124.00	0
125	Glutamic (%)	2.866	0.0385	2.704	0.2564	0.0742	34	0.63	125.00	0
126	Glycine (%)	0.8058	0.0104	0.8104	0.0434	0.0191	34	-0.11	126.00	0
127	Histidine (%)	0.3729	0.0077	0.3986	0.0301	0.0101	33	-0.86	127.00	0
128	Isoleucine (%)	0.5410	0.0100	0.6403	0.0597	0.0161	34	-1.66	128.00	0
129	Leucine (%)	1.039	0.0187	1.136	0.0603	0.0203	34	-1.60	129.00	0
130	L-Lysine (%)	0.9030	0.0453	0.8588	0.0581	0.0286	36	0.76	130.00	0



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131	Methionine (%)	0.3563	0.0131	0.3609	0.0348	0.0154	33	-0.13	131.00	0
132	Phenylalanine (%)	0.7621	0.0143	0.7521	0.0499	0.0193	35	0.20	132.00	0
133	Proline (%)	0.8540	0.0098	0.9100	0.0551	0.0191	32	-1.02	133.00	0
134	Serine (%)	0.8634	0.0482	0.7903	0.0584	0.0231	34	1.25	134.00	0
135	Threonine (%)	0.6886	0.0462	0.6326	0.0386	0.0163	34	1.45	135.00	0
136	Tryptophan (%)	0.2095	0.0116	0.2211	0.0358	0.0054	22	-0.32	136.00	0
137	Tyrosine (%)	0.4597	0.0068	0.5168	0.0943	0.0269	27	-0.61	137.00	0
138	Valine (%)	0.6590	0.0014	0.7780	0.0725	0.0224	35	-1.64	138.00	0

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as extreme outlier, 5 = A reporting limit and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). Flag 3 indicates not used in statistics.