

Animal Feed Scheme

Test Material Code # 201931

Report Card for Lab Code 0000

Issue Date : 12/31/2019

Llama Feed

Proficiency For 40 Individual Methods

Method Code	Analyte Name and Method (Units)	Lab 0870 Data		Method Values				AAFCO PT	Threshold	Flag
		Value	range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.01	Protein, Crude, Auto Kjel-Foss (%)	24.19	0.0670	23.61	0.3527	0.0849	13	1.63	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	24.14	0.0856	24.01	0.3087	0.1805	123	0.44	0%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2.398	0.1661	2.521	0.2272	0.0755	14	-0.54	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2.368	0.0572	2.281	0.1644	0.0814	26	0.53	2%	0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2.709	0.0087	2.396	0.1655	0.1173	8	1.89	7%	0
004.07	Fiber, Crude, ANKOM (%)	17.07	0.5009	17.22	1.272	0.2687	71	-0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	16.90	0.0109	16.69	0.2282	0.1273	92	0.91	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	22.42	0.7223	22.74	1.844	0.3733	44	-0.18	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	32.32	0.9137	33.91	1.856	0.4912	41	-0.86	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	9.255	0.0512	8.890	0.4022	0.1267	67	0.91	2%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	5.849	0.3357	6.273	0.7324	0.1937	10	-0.58	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	3.745	0.2569	3.705	0.4405	0.1544	19	0.09	1%	0
019.42	Calcium, ICP, Open vessel (%)	2.218	0.0260	2.158	0.1036	0.0699	18	0.58	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	54.14	1.560	57.74	4.220	1.867	18	-0.85	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	1,041	46.00	906.8	377.3	41.39	14	0.36	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0.3915	0.0165	0.4063	0.0234	0.0152	20	-0.63	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	492.8	20.50	493.3	27.32	25.43	19	-0.02	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	1.273	0.0150	1.198	0.0603	0.0317	18	1.24	3%	0
032.42	Potassium, ICP, Open vessel (%)	1.722	0.0460	1.733	0.0952	0.0534	18	-0.12	0%	0
035.42	Sodium, ICP, Open vessel (%)	1.315	0.0440	1.274	0.0648	0.0362	14	0.64	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0.5147	0.0018	0.5450	0.0340	0.0146	19	-0.89	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	1,694	1.000	1,662	78.43	74.93	17	0.41	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0.8091	0.0049	0.8067	0.0477	0.0160	25	0.05	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	1.019	0.0396	1.044	0.0572	0.0187	26	-0.44	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	1.766	0.1144	1.670	0.0872	0.0306	24	1.09	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin Der (%)	0.2166	0.0076	0.2587	0.0272	0.0119	26	-1.55	8%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2.866	0.0385	2.753	0.2424	0.0530	25	0.47	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0.8058	0.0104	0.8152	0.0380	0.0156	25	-0.25	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0.3729	0.0077	0.3999	0.0317	0.0109	25	-0.85	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0.5410	0.0100	0.6443	0.0705	0.0151	26	-1.47	8%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	1.039	0.0187	1.137	0.0658	0.0170	26	-1.48	4%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0.9030	0.0453	0.8573	0.0474	0.0198	26	0.96	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0.3563	0.0131	0.3685	0.0303	0.0173	26	-0.40	2%	0



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132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0.7621	0.0143	0.7542	0.0483	0.0199	26	0.16	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0.8540	0.0098	0.9206	0.0682	0.0161	25	-0.98	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0.8634	0.0482	0.7989	0.0647	0.0204	25	1.00	4%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0.6886	0.0462	0.6323	0.0387	0.0139	26	1.45	4%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0.2095	0.0116	0.2232	0.0373	0.0057	7	-0.37	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0.4597	0.0068	0.5065	0.0955	0.0198	18	-0.49	5%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0.6590	0.0014	0.7753	0.0748	0.0190	26	-1.56	8%	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.