

Origination Inc

Prepared on: September 09, 2016

Ingredient with Analysis

8AN001			
Code	Nutrient	Units	MegAnion
601	Acetic	(%)	0.00
11	ADF	(%)	3.80
65	ADFIP (%CP)	(-)	0.60
119	ADICP	(%)	0.49
237	Adj Factor	(-)	0.00
36	Anions	(-)	869.36
427	Arginine	(%)	2.99
83	Arginine (%CP)	(-)	2.44
280	Arginine (%MP)	(%)	0.00
53	Arginine (%RUP)	(-)	2.32
683	Arginine (CNCPS 6.	(-)	2.44
43	Ash	(%)	10.21
138	Ash (DIG)	(-)	50.00
101	Biotin	(mg/lb)	0.00
710	Biotin (Added)	(mg/lb)	0.00
5001	Biotin (ppm)	(ppm)	0.00
277	Butyric	(%)	0.00
GROUP1 By-Products		(-)	0.00
241	C12:0 (%TFA)	(%)	0.00
251	C12:0 (DIGRFC)	(-)	95.39
261	C12:0 (DIGRNC)	(-)	95.39
410	C12:0 Lipolysis	(%)	500.00
242	C14:0 (%TFA)	(%)	0.00
252	C14:0 (DIGRFC)	(-)	75.06
262	C14:0 (DIGRNC)	(-)	75.06
411	C14:0 Lipolysis	(%)	500.00
243	C16:0 (%TFA)	(%)	30.00
253	C16:0 (DIGRFC)	(-)	72.48
263	C16:0 (DIGRNC)	(-)	72.48
412	C16:0 Lipolysis	(%)	500.00

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Code	Nutrient	Units	MegAnion
244	C16:1 (%TFA)	(%)	0.00
254	C16:1 (DIGRFC)	(-)	64.00
264	C16:1 (DIGRNC)	(-)	64.00
413	C16:1 Lipolysis	(%)	500.00
245	C18:0 (%TFA)	(%)	5.00
221	C18:0 (ABS)	(%)	0.00
255	C18:0 (DIGRFC)	(-)	72.80
265	C18:0 (DIGRNC)	(-)	72.80
414	C18:0 Lipolysis	(%)	500.00
78	C18:1,2,3 / CPM	(%)	64.00
247	C18:1C (%TFA)	(%)	22.50
223	C18:1C (ABS)	(%)	0.00
257	C18:1C (DIGRFC)	(-)	89.25
267	C18:1C (DIGRNC)	(-)	89.25
415	C18:1C Lipolysis	(%)	500.00
246	C18:1T (%TFA)	(%)	0.00
222	C18:1T (ABS)	(%)	0.00
266	C18:1T (DIGRFC)	(-)	78.56
256	C18:1T (DIGRNC)	(-)	78.56
416	C18:1T Lipolysis	(%)	500.00
248	C18:2 (%TFA)	(%)	36.50
224	C18:2 (ABS)	(%)	0.00
258	C18:2 (DIGRFC)	(-)	89.25
268	C18:2 (DIGRNC)	(-)	83.00
417	C18:2 Lipolysis	(%)	500.00
249	C18:3 (%TFA)	(%)	5.00
225	C18:3 (ABS)	(%)	0.00
259	C18:3 (DIGRFC)	(-)	77.55
269	C18:3 (DIGRNC)	(-)	77.55
418	C18:3 Lipolysis	(%)	500.00

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Code	Nutrient	Units	MegAnion
299	C20:5 (%TFA)	(%)	0.00
207	C20:5 (DIGRFC)	(-)	0.00
209	C20:5 (DIGRNC)	(-)	0.00
419	C20:5 EPH Lipolysi	(%)	0.00
300	C22:6 (%TFA)	(%)	0.00
208	C22:6 (DIGRFC)	(-)	0.00
210	C22:6 (DIGRNC)	(-)	0.00
420	C22:6 DHA Lipolysi	(%)	0.00
19	Calcium	(%)	0.26
157	Calcium (%Avail)	(%)	0.13
665	Calcium (BioAvail)	(%)	0.51
34	Calcium Phosphoru	(-)	0.53
191	Category	(-)	7.00
37	Cation Anion Balan	(-)	-825.29
35	Cations	(-)	44.07
611	Cell Wall	(%)	0.00
612	Cellulose	(%)	0.00
33	Chlorine	(%)	23.69
160	Chlorine (%Avail)	(%)	18.72
613	Chlorine (BioAvail)	(%)	0.79
154	Chlortetracycline	(g/ton)	0.00
616	ChoA Sugar (%/hr)	(-)	300.00
607	ChoA Sugar (%DM)	(%)	0.26
615	ChoA Sugar (%NF	(%)	96.60
617	ChoA Sugar (DIG) /	(-)	0.00
608	ChoA Sugar (Micro	(-)	300.00
751	ChoA1 Bact (%/hr)	(-)	0.00
134	ChoA1 Silage Acid ((-)	7.00
187	ChoA1 Silage Acid ((%)	0.00
130	ChoA1 Silage Acid ((-)	0.00

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Code	Nutrient	Units	MegAnion
136	ChoA1 Silage Acid ((-)	0.00
603	ChoA1 Silage Acid ((-)	7.00
279	ChoA1 VFA (%/hr) /	(-)	0.00
275	ChoA1 VFA (%DM)	(%)	0.00
619	ChoA1 VFA (DIG) /	(-)	100.00
401	ChoA1 VFA (Microb	(-)	0.00
752	ChoA2 Bact (%/hr)	(-)	0.00
620	ChoA2 Lactic Acid ((-)	7.00
212	ChoA2 Lactic Acid ((%)	0.00
600	ChoA2 Lactic Acid ((-)	100.00
50	ChoA2 Lactic Acid ((-)	7.00
71	ChoA2 Sugar (%/hr	(-)	300.00
604	ChoA2 Sugar (%D	(%)	0.07
131	ChoA2 Sugar (%NF	(-)	9.00
140	ChoA2 Sugar (DIG)	(-)	100.00
605	ChoA2 Sugar (Micr	(-)	300.00
753	ChoA3 Bact (%/hr)	(-)	0.00
278	ChoA3 Organic Aci	(%)	0.00
315	ChoA3 Organic Aci	(%)	5.00
754	ChoA4 Bact (%/hr)	(-)	0.00
148	ChoA4 Sugar (%/hr	(-)	40.00
186	ChoA4 Sugar (%D	(%)	2.76
93	ChoA4 Sugar (DIG)	(%)	100.00
48	ChoA4 Sugar (Micr	(-)	40.00
755	ChoB1 Bact (%/hr)	(-)	0.00
404	ChoB1 Starch (%/hr	(-)	25.00
230	ChoB1 Starch (%/hr	(-)	4.50
72	ChoB1 Starch (%/hr	(-)	25.00
94	ChoB1 Starch (%D	(%)	0.01
185	ChoB1 Starch (%D	(%)	2.00

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Code	Nutrient	Units	MegAnion
97	ChoB1 Starch (%N	(%)	3.40
628	ChoB1 Starch (%N	(%)	263.52
141	ChoB1 Starch (DIG)	(-)	75.00
403	ChoB1 Starch (Micr	(-)	25.00
402	ChoB1 Starch (Micr	(-)	4.50
614	ChoB1 Starch (Micr	(-)	25.00
73	ChoB2 Available Fi	(-)	7.00
173	ChoB2 Available Fi	(%)	4.85
142	ChoB2 Available Fi	(-)	100.00
756	ChoB2 Bact (%/hr)	(-)	0.00
214	ChoB2 Soluble Fibe	(-)	17.00
135	ChoB2 Soluble Fibe	(-)	17.00
197	ChoB2 Soluble Fibe	(%)	-1.31
132	ChoB2 Soluble Fibe	(-)	-172.52
137	ChoB2 Soluble Fibe	(-)	75.00
220	ChoB2 Soluble Fibe	(%)	6.86
77	ChoB3 Available Fi	(%)	4.00
906	ChoB3 Available Fi	(%)	5.34
618	ChoB3 Available Fi	(%)	4.85
629	ChoB3 Available Fi	(-)	20.00
757	ChoB3 Bact (%/hr)	(-)	0.00
174	ChoC Unavailable F	(%)	2.16
79	ChoC Unavailable F	(%)	0.00
102	Choline	(ppm)	588.28
711	Chromium (Added)	(ppm)	0.00
29	Cobalt	(ppm)	0.00
164	Cobalt (%Avail)	(ppm)	0.00
630	Cobalt (BioAvail)	(%)	0.87
46	Concentrate Dry Ma	(%)	100.00
27	Copper	(ppm)	11.00

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165	Copper (%Avail)	(ppm)	0.33
631	Copper (BioAvail)	(%)	0.03
250	COther (%TFA)	(%)	1.00
260	COther (DIGRFC)	(-)	58.17
270	COther (DIGRNC)	(-)	58.17
421	COther LIpalysis	(%)	500.00
115	Crude Protein (DIG)	(-)	0.00
473	Cystine	(%)	0.44
623	Cystine (%CP)	(%)	0.36
316	Cystine (%MP)	(%)	0.00
193	Decoquinat	(mg/lb)	0.00
667	Degradable Intake	(-)	0.00
664	Degradable Intake	(-)	0.00
195	Digestible Energy	(Mcal/kg)	3.15
633	Digestible Energy /	(Mcal/lb)	1.43
1	Dry Matter	(%)	95.30
109	Dry Matter (ration)	(%)	95.30
13	Effective NDF	(%)	0.38
62	eNDF (%NDF)	(-)	5.00
192	EnergyEquation Cla	(-)	0.00
422	FA Slope Adj Factor	(%)	0.00
41	Fat	(%)	0.52
139	Fat (DIG) / CN4	(-)	95.00
301	Fat (DIG) / CN6	(-)	0.00
231	Fat Type	(-)	1.00
677	Fermentable Availa	(%)	0.00
5002	Fermentable Fiber	(%)	0.00
672	Fermentable Lactic	(%)	0.00
673	Fermentable Organi	(%)	0.00
676	Fermentable Solubl	(%)	0.00

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Code	Nutrient	Units	MegAnion
675	Fermentable Starch	(%)	0.00
674	Fermentable Sugar	(%)	0.00
678	Fermentable Unava	(%)	0.00
671	Fermentable VFA	(%)	0.00
42	Fiber	(%)	0.00
103	Folacin	(ppm)	0.00
239	Glycerol	(%)	0.21
234	Glycerol (Temp)	(%)	0.04
634	Hemicellulose	(%)	0.00
442	Histidine	(%)	1.06
88	Histidine (%CP)	(-)	0.86
285	Histidine (%MP)	(%)	0.00
58	Histidine (%RUP)	(-)	0.82
688	Histidine (CNCPS 6	(-)	0.86
30	Iodine	(ppm)	0.00
166	Iodine (%Avail)	(ppm)	0.00
635	Iodine (BioAvail)	(%)	0.74
26	Iron	(ppm)	600.00
167	Iron (%Avail)	(ppm)	54.00
636	Iron (BioAvail)	(%)	0.09
440	Isoleucine	(%)	2.05
86	Isoleucine (%CP)	(-)	1.67
283	Isoleucine (%MP)	(%)	0.00
56	Isoleucine (%RUP)	(-)	1.59
686	Isoleucine (CNCPS	(-)	1.67
152	Lasalocid	(g/ton)	0.00
429	Leucine	(%)	3.36
85	Leucine (%CP)	(-)	2.74
282	Leucine (%MP)	(%)	0.00
55	Leucine (%RUP)	(-)	2.60

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685	Leucine (CNCPS 6.	(-)	2.74
44	Lignin	(%)	0.90
61	Lignin (%NDF)	(-)	12.00
236	Lipolysis	(%)	500.00
238	Long Chain Fatty A	(%)	100.00
426	Lysine	(%)	11.08
82	Lysine (%CP)	(-)	2.05
625	Lysine (%EAA)	(-)	0.00
68	Lysine (%MP)	(%)	0.00
52	Lysine (%RUP)	(-)	1.95
682	Lysine (CNCPS 6.5	(-)	2.05
24	Magnesium	(%)	2.50
159	Magnesium (%Avail	(%)	0.35
637	Magnesium (BioAva	(%)	0.14
28	Manganese	(ppm)	40.00
168	Manganese (%Avail	(ppm)	0.40
639	Manganese (BioAv	(%)	0.01
310	Metabolizable Ener	(Mcal/lb)	1.10
198	Metabolizable Ener	(Mcal/lb)	1.10
80	Metabolizable Prote	(%)	0.00
425	Methionine	(%)	0.42
81	Methionine (%CP)	(-)	0.34
626	Methionine (%EAA)	(-)	0.00
67	Methionine (%MP)	(%)	0.00
51	Methionine (%RUP)	(-)	0.32
681	Methionine (CNCP	(-)	0.34
153	MGA	(mg/lb)	0.00
45	Moisture	(%)	4.70
638	Molybdenum	(%)	0.00
151	Monensin	(g/ton)	0.00

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12	NDF	(%)	7.50
64	NDFIP (%CP) / CN	(-)	0.60
118	NDICP	(%)	0.49
644	NEI	(Mcal/cwt	92.50
409	Net Energy	(Kcal/kg)	0.00
312	Net Energy Gain	(-)	0.49
9	Net Energy Gain	(Mcal/cwt	54.88
8	Net Energy Lactatio	(Mcal/lb)	0.00
129	Net Energy Lactatio	(Mcal/cwt	92.50
313	Net Energy Mainten	(Mcal/cwt	93.75
646	Net Energy Mainten	(Mcal/lb)	0.00
116	Neutral Detergent F	(-)	0.00
104	Niacin	(ppm)	10.46
229	NonFiber Carbohyd	(-)	0.27
147	NonFiber Carbohyd	(%)	0.76
100	NonFiber Carbohyd	(%)	0.76
98	NonProtein Nitroge	(-)	70.55
99	NonProtein Nitroge	(%)	57.50
63	NonProtein Nitroge	(-)	95.00
211	NonProtein Nitroge	(-)	55.30
GROUP2 NPN Sources		(-)	0.00
15	NSC (%)	(%)	0.27
171	Omega 3	(-)	0.00
172	Omega 6	(-)	0.00
647	Other OA (%/hr) / C	(-)	5.00
650	Other OA (DIG) / C	(-)	100.00
155	Oxytetracycline	(g/ton)	0.00
105	Pantothenic Acid	(ppm)	7.12
69	Peptide	(%)	0.00
471	Phenylalanine	(%)	2.17

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Code	Nutrient	Units	MegAnion
89	Phenylalanine (%C	(-)	1.77
286	Phenylalanine (%M	(%)	0.00
59	Phenylalanine (%R	(-)	1.68
689	Phenylalanine (CN	(-)	1.77
20	Phosphorus	(%)	0.49
158	Phosphorus (%Avai	(%)	0.29
653	Phosphorus (%Avai	(%)	0.00
666	Phosphorus (BioAv	(%)	0.60
235	Pigment	(%)	-0.09
22	Potassium	(%)	1.60
161	Potassium (%Avail)	(%)	1.26
654	Potassium (BioAvail	(%)	0.79
194	Processing Adj Fact	(-)	0.00
276	Propionic	(%)	0.00
240	ProtA NPN (%/hr)	(-)	10,000.00
180	ProtA NPN (%CP) /	(%)	65.74
110	ProtA NPN (%CP) /	(-)	0.00
175	ProtA NPN / CN4	(%)	53.58
307	ProtA1 Ammonia ((-)	38.27
143	ProtA1 Ammonia (D	(-)	100.00
305	ProtA1 Ammonia /	(-)	31.19
215	ProtA2 Soluble Non	(-)	150.00
308	ProtA2 Soluble Non	(-)	30.93
144	ProtA2 Soluble Non	(-)	100.00
306	ProtA2 Soluble Non	(-)	25.21
111	ProtB (%CP)	(-)	0.00
113	ProtB Kd (DIG) / N	(-)	0.00
74	ProtB1 Fast (%/hr)	(-)	150.00
181	ProtB1 Fast (%CP)	(%)	3.46
176	ProtB1 Fast / CN4	(%)	2.82

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75	ProtB1 Moderately	(-)	10.80
182	ProtB1 Moderately	(%)	30.20
145	ProtB1 Moderately	(-)	100.00
177	ProtB1 Moderately	(%)	24.61
76	ProtB2 Slowly Degr	(-)	4.00
183	ProtB2 Slowly Degr	(%)	0.00
146	ProtB2 Slowly Degr	(-)	80.00
178	ProtB2 Slowly Degr	(%)	0.00
179	ProtC Unavailable	(%)	0.49
184	ProtC Unavailable ((-)	0.60
112	ProtC Unavailable ((-)	0.00
2	Protein	(%)	81.50
b122	RDP (%CP Est)	(%)	85.00
b124	RDP (Est)	(%)	69.28
106	Riboflavin	(ppm)	1.48
47	Roughage Dry Matt	(%)	0.00
120	Roughage NDF	(%)	0.00
124	Ruminally Degrada	(%)	69.20
122	Ruminally Degrada	(%)	85.00
38	Ruminally Undegra	(%)	12.30
121	Ruminally Undegra	(%)	100.00
114	Ruminally Undegra	(-)	0.00
b121	RUP (%CP Est)	(%)	15.00
b38	RUP (Est)	(%)	12.30
21	Salt	(%)	0.00
31	Selenium	(ppm)	0.00
169	Selenium (%Avail)	(ppm)	0.00
655	Selenium (BioAvail)	(%)	0.87
32	Sodium	(%)	0.07
162	Sodium (%Avail)	(%)	0.06

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656	Sodium (BioAvail)	(%)	0.79
40	Soluble Protein	(%)	56.40
5	Soluble Protein (%)	(%)	69.20
5008	Starch + Sugar (%D	(%)	4.76
23	Sulfur	(%)	3.08
163	Sulfur (%Avail)	(%)	2.68
657	Sulfur (BioAvail)	(%)	0.87
GROUP5 Supplement (Flag)		(-)	0.00
150	Supplement Flag	(%)	0.00
149	Supplement Requir	(%)	0.00
314	TDN	(-)	71.50
658	TDN	(%)	71.50
196	TDN 1X	(%)	71.50
107	Thiamine	(ppm)	1.52
428	Threonine	(%)	1.60
84	Threonine (%CP)	(-)	1.30
281	Threonine (%MP)	(%)	0.00
54	Threonine (%RUP)	(-)	1.24
684	Threonine (CNCPS	(-)	1.30
624	Total Essential Ami	(%)	0.00
233	Total Fatty Acids	(%)	0.40
232	Total Fatty Acids (%)	(%)	76.90
679	Total Fermentable	(%)	0.00
472	Tryptophan	(%)	0.74
90	Tryptophan (%CP)	(-)	0.60
287	Tryptophan (%MP)	(%)	0.00
60	Tryptophan (%RUP)	(-)	0.57
690	Tryptophan (CNCP	(-)	0.60
156	Tylosin	(mg/ton)	0.00
474	Tyrosine	(%)	1.10

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3	Undegradable Intak	(-)	0.00
669	Undegradable Intak	(-)	0.00
668	Undegradable Intak	(-)	100.00
691	uNDF12	(%)	0.00
694	uNDF120	(%)	0.00
695	uNDF240	(%)	0.00
692	uNDF30	(%)	0.00
693	uNDF72	(%)	0.00
441	Valine	(%)	2.17
87	Valine (%CP)	(-)	1.77
284	Valine (%MP)	(%)	0.00
57	Valine (%RUP)	(-)	1.68
687	Valine (CNCPS 6.5)	(-)	1.77
16	Vitamin A	(IU/lb)	0.00
447	Vitamin B12	(ppm)	0.00
108	Vitamin B6	(ppm)	3.06
17	Vitamin D	(IU/lb)	0.00
18	Vitamin E	(IU/lb)	0.00
662	Yea-Sacc	(%)	0.00
25	Zinc	(ppm)	60.00
170	Zinc (%Avail)	(ppm)	7.80
663	Zinc (BioAvail)	(%)	0.13

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