



AJINOMOTO HEARTLAND, INC.

Amino Acid Composition of Ingredients: Crop Year 2010

INGREDIENT	SOURCE	STATISTIC	DM	CP	CP (DMB)	tLYS	tTHR	tMET	tM+C	tARG	tILE	tVAL	tGLY	tSER	tTRP	
<i>Corn</i>	<i>USA</i>	Mean	88.17	7.45	8.44	0.25	0.28	0.20	0.38	0.38	0.26	0.37	0.29	0.37	0.06	
		Stdev	1.37	0.89	0.95	0.02	0.03	0.03	0.05	0.05	0.03	0.04	0.02	0.04	0.01	
		Observations	93	93	93	93	93	93	93	93	93	93	93	93	93	93
		AA: CP Ratio	-	-	-	3.30	3.79	2.71	5.04	5.15	3.51	4.94	3.95	4.94	0.79	
		AA: Lys Ratio	-	-	-	100	115	82	153	156	107	150	120	150	24	
<i>DDGS</i>	<i>USA</i>	Mean	86.35	25.12	29.08	0.84	0.96	0.49	0.96	1.18	0.94	1.30	1.00	1.21	0.23	
		Stdev	1.69	1.06	0.88	0.05	0.04	0.03	0.06	0.11	0.05	0.06	0.06	0.06	0.02	
		Observations	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		AA: CP Ratio	-	-	-	3.34	3.82	1.94	3.84	4.70	3.74	5.16	4.00	4.80	0.91	
		AA: Lys Ratio	-	-	-	100	114	58	115	141	112	155	120	144	27	
<i>SBM</i>	<i>USA</i>	Mean	89.36	47.45	53.10	2.92	1.86	0.65	1.32	3.45	2.17	2.31	1.98	2.36	0.63	
		Stdev	0.62	1.26	1.36	0.07	0.05	0.04	0.07	0.25	0.06	0.09	0.12	0.06	0.06	
		Observations	77	77	77	77	77	77	77	77	77	77	77	77	77	77
		AA: CP Ratio	-	-	-	6.15	3.93	1.36	2.78	7.27	4.57	4.87	4.16	4.98	1.32	
		AA: Lys Ratio	-	-	-	100	64	22	45	118	74	79	68	81	22	