



ILLUMINATE®

**Average Values for Selected Parameters of Dried Distillers Grains with Solubles<sup>a</sup>**

Analyte (as-is basis)	1-33% (highest)	34-66%	67-100% (lowest)	Standard Deviation
	Avg	Avg	Avg	
NIR Particle Size, microns	846	681	458	179
Dry Matter, %	90.24	89.04	86.15	7.58
Moisture, %	13.90	10.99	9.80	7.58
Crude Protein, %	28.92	26.94	25.39	3.12
Average Crude Fat, %	10.68	9.52	7.57	1.55
ADF, %	12.94	10.93	8.96	2.16
Ash, %	4.74	4.22	3.59	0.62
Total Phosphorus, %	0.90	0.82	0.67	0.13
<b>Energy Assays (as-is basis)</b>				
Swine - ME, kcal/kg	3413	3207	2988	319
Poultry - AME, kcal/kg	2881	2801	2660	249
Poultry - TME, Kcal/kg	2888	2818	2691	246
<b>Concentration of Indispensable AA (as-is basis)</b>				
Lys, %	0.94	0.87	0.78	0.11
Met, %	0.58	0.53	0.48	0.06
Thr, %	1.11	1.04	0.95	0.12
Trp, %	0.25	0.23	0.21	0.03
Swine SID Digestible Lys, %	0.61	0.53	0.46	0.08
<b>Swine Shadow Price for Grow/Finish, \$/ton</b>	<b>\$ 311.39</b>	<b>\$ 272.45</b>	<b>\$ 227.68</b>	<b>\$ 50.86</b>

<sup>a</sup>The ILLUMINATE Services database from NUTRIQUEST contains data for DDGS from over 140 different US ethanol plants. Data reported here are averages of the highest one-third, middle one-third and lowest one-third based on individual parameters.

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