



MARQUIS
ENERGY

DDGS Quality Results

Quality	July-20	August-20	September-20	Ave	unit
crude protein	30.39	29.68	31.41	30.49	m/m%
crude fat	7.98	8.08	8.55	8.20	m/m%
Moisture	10.36	10.92	10.67	10.65	m/m%
NDF	30.82	32.99	33.46	32.42	%
fiber	8.20	8.52	8.45	8.39	m/m%
ADF	10.66	11.81	11.18	11.22	m/m%
Ash	4.99	4.65	4.53	4.72	m/m%
calcium	0.02	0.02	0.02	0.02	m/m%
copper	5.36	5.40	5.37	5.37	ppm
iron	71.78	67.36	69.82	69.65	ppm
potassium	1.17	1.20	1.20	1.19	m/m%
magnesium	0.34	0.34	0.34	0.34	m/m%
manganese	13.01	12.25	12.45	12.57	ppm
Sodium	0.12	0.04	0.03	0.06	m/m%
phosphorus	0.96	0.94	0.93	0.95	m/m%
sulfur	0.66	0.66	0.66	0.66	m/m%
zinc	58.07	55.91	57.31	57.10	ppm
Hunter color	54.69	54.34	55.80	54.94	
Digestible Energy	1.61	1.60	1.66	1.62	Mcal/lb
Metabolizable Energy	1.35	1.34	1.35	1.35	Mcal/lb
Net Energy Gain	75.88	74.59	75.38	75.28	Mcal/lb
Net Energy Lactation	0.80	0.78	0.79	0.79	Mcal/lb
Net Energy Maintenance	0.59	0.57	0.58	0.58	Mcal/lb
Total Digestible Nutrients	0.88	0.86	0.88	0.87	m/m%
aflatoxin	N.D.	N.D.	N.D.	N.D.	ppb
DON	3.26	2.96	2.81	3.01	ppm
Fumonison	2.48	3.15	0.82	2.15	
Zearalenone	393.35	481.08	467.51	447.32	