



To: Worlds Forage Superbowl
1111 Lawrence Drive
PO Box 7058
De Pere, WI 54115

Account No.: 3795 (0)
Sampled By: Worlds Forage Superb
Sampled For: STEFAN HAY COMPANY

Product: Barenbrug

Test Mode: N3
Feed Type: Hay - Grass
Sub Type: Mixed

Moisture	11.08%
Dry Matter	88.92%

Mixed grass hay statistics provided for comparison.

		<u>Dry Basis</u>	<u>Median</u>	<u>90% Range</u>
Crude Protein	%DM	20.21	9.38	4.95 - 16.48
AD-ICP	%DM	0.97	1.15	0.62 - 1.79
ND-ICP w/SS	%DM	3.44	3.31	1.29 - 4.68
Protein Sol.	%CP	27.31	26.07	8.61 - 48.90
ADF	%DM	28.04	40.44	31.75 - 50.23
aNDF	%DM	49.48	60.92	48.19 - 72.71
aNDFom	%DM	47.25	57.38	43.04 - 68.85
Lignin (Sulfuric Acid)	%DM	3.11	6.52	3.94 - 9.40
Lignin	%NDFom	6.58		
Lignin input (uNDF/2.4)	%DM	3.83		
NDFD12	%NDFom	43.32	30.40	21.40 - 45.10
NDFD 30	%NDFom	67.30	49.20	36.20 - 65.52
NDFD 120	%NDFom	76.89	63.17	49.44 - 81.34
NDFD240	%NDFom	80.57	66.50	52.42 - 80.59
uNDFom12	%DM	26.78	38.70	24.80 - 48.50
uNDFom30	%DM	15.45	28.34	14.70 - 40.90
uNDFom120	%DM	10.92	20.89	8.46 - 32.77
uNDFom240	%DM	9.18	19.99	10.26 - 30.38
Starch	%DM	0.25	1.81	0.25 - 7.32
Fat (EE)	%DM	4.00	2.57	1.58 - 3.71
TFA (fat)	%DM	1.55	1.19	0.49 - 2.17
16:0 Palmitic	%TFA	26.45	24.05	18.05 - 36.79
18:0 Stearic	%TFA	5.81	6.16	3.37 - 10.76
18:1 Oleic	%TFA	3.87	8.70	4.24 - 26.61
18:2 Linoleic	%TFA	6.45	12.66	3.64 - 26.39
18:3 Linolenic	%TFA	55.48	47.06	8.75 - 59.69
Ash	%DM	9.14	9.35	6.12 - 13.03
Calcium	%DM	0.82	0.61	0.25 - 1.15
Phosphorus	%DM	0.36	0.22	0.11 - 0.35
Magnesium	%DM	0.27	0.20	0.12 - 0.33
Potassium	%DM	3.17	1.82	0.69 - 3.03
Sulfur	%DM	0.33	0.14	0.07 - 0.25
Chloride	%DM	0.82	0.31	0.07 - 0.89
Sugar (ESC)	%DM	9.14	6.34	2.16 - 10.37



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Sugar (WSC)	%DM	9.76	8.25	3.29 - 12.93
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Calculations

Adjusted Crude Protein	%DM	20.21		
NFC	%DM	24.29		
NSC	%DM	10.01		
RFV		126.32		
RFQ		177.60		
NDF kd rate MIR_P1	%/hr	6.59		

		<u>ADF</u>	<u>OARDC</u>	<u>MLK 2013</u>
TDN	%DM	67.06	64.56	66.33
Nel 3x	Mcal/cwt	69.30	66.44	69.27
Neg	Mcal/cwt	34.38	43.38	45.44
Nem	Mcal/cwt	60.50	70.48	72.80
Milk per ton	lbs/ton		3325	