



## Roughage Analysis Horse

Date analysis: 16-sep.-13

Analysed for Bio Mentor **EXAMPLE**

Name sample : **EXAMPLE**

Dry Matter intake/day (kg): 8,00

% Moisture: 21,7

Body Weight (kg) : 400,00

% Dry Matter : 78,3

Exercise level : maintenance

	analysis per kg d.m	Intake	need - tolerance	deviation		remark
Digestible Energy	2,13	17,04	16,4	0,64		good
	g/kg					
Crude Protein	73,2	585,6	536	49,60		good
Estimated lysine	2,8	22,4	23			buffer needed
Lignine	39	312	400	(88,00)		nice
Acid Tolerant Fibre(ADF)	377	3016	3200	(184,00)		nice
Neutraal Tolerant Fibre (NDF)	626	5008	4800	208,00		nice
Water Sol. Sugar (WSC)	155	1240				bit high
Ethanol Sol Sugar (ESC)	73	584	800			nice
Fructane	82	656	240	416,00		bit high
Starch	19	152	240	(88,00)		good
ESC + Starch %	9,2		<10			good
Crude fat	21	168	160	8,00		good
Anorganic Matter	60		<80			
Calcium (Ca)	2,3	18,4	17,2	1,20		rel low
Phosphor (P)	2	16	11,2	4,80		to high
Magnesium (Ma)	1,3	10,4	8,4	2,00		rel low
Potassium(K)	11	88	20	68,00		reasonable
Sodium (Na)	1	8	10	(2,00)		short
	mg/kg					
Iron (Fe)	97	776	300	476,00		very good
Zinc (Zn)	45	360	460	(100,00)		low Zn
Copper (Cu)	9	72	120	(48,00)		bit low Cu
Manganese	187	1496	480	1.016,00		to high
Molybdenum	0,6	4,8	6	(1,20)		good



## Result and advice

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Exercise level : maintenance

Appearance	Texture	Color	Smell	leave:stem	herbs	flower heads	seed heads	
	+++	++	+++	+++	+++	+++	++	

Analysis	Energy good	Protein good/lysine marginal	Fibre good	Fructane high
	Sugars good	Salt low	Ca:P low	Mg relative low
	K relative good	Fe low	Manganese high	Zn and Cu rel good

Good for	mainenance	light work	easy keeper, quarter, warmblood
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*Very good roughage as a basic ration of easy keepers*

Supplement	
1	Calcium 6 g
2	Magnesium 5 g
3	Zinc 900 mg
4	Copper 300 mg
5	Salt 8 g
6	Lysine 3 g
The supplement SARU can balance point 1,2,3,4 and 6	
Horses on roughage only should be given also 100 -150 stabilised flax seed	

### Important!

Because of the high costs is analysis of Selenium not included. Soil and plants are often low in Selenium. In doubt a blood sample can give necessary information