



**DODSON & HORRELL**

ANIMAL HEALTH, NUTRITION AND WELL-BEING

**FEEDING SUCCESS**

### Forage Analysis Report

**Customer** Manfred Kolmsee Sorensen  
**Lab Reference No.** L240583  
**Sample Type** Hay (1.Cut, Mark 1, cutting date: 28.06.22)  
**Sample Details** 1163

Analyte	Unit	Result % DM	Graphical Representation	Typical Range % DM		Result As Fed
				Min	Max	
Dry Matter	%	88.8		85	90	n/a
Protein	%	7.6		6	9	7
Oil	%	1.9		2	3	2
Ash	%	4		6	10	4
NDF	%	70.8		50	65	63
ADF	%	38.8		30	40	34
Sugar	%	7.3		8	10	6
DE	MJ/KG	7.9		8	10	7

Results **within** Typical Range

Results **outside** of Typical Range

*This analysis was undertaken using NIR. It represents the sample received and should only be used as a guide to overall quality. Water (moisture) is contained in forages and the water content can vary, grass typically has a high water content whereas hay has a lower water content. Nutrient analyses expressed as dry matter (DM) represent the percentages of nutrients present excluding water content. Nutrient analyses expressed as as fed and include this water component and is what your horse consumes as fresh forage.*

Authorised By: Emma Nissler

26/07/2022

Emma Nissler  
 Nutritional Advisor  
 Dodson & Horrell Ltd  
 01270 782 223  
 enissler@dodsonandhorrell.com





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Lab Reference No. L240583

Sample Details 1163

Sample Type Hay (1.Cut, Mark 1, cutting date: 28.06.22)

Based on the analysis results your hay has a **LOW** nutritive value. However, our research has shown that hay alone will not provide your horse with a fully balanced diet and you will need to feed a suitable concentrate ration.

Analyte	Result % DM	Guide	Average Range % DM	Comments	Result As Fed
Dry Matter %	89	Average	85 - 90	The dry matter content of your hay is average. This will help limit mould development. As a guide to meet fibre requirements a 500kg horse would need between:  8.5 - 14 kg/day or 18.5 - 31 lbs/day	n/a
Protein %	8	Average	6 - 9	The protein content of your hay is average. However, hay alone will not give your horse enough good quality protein and you will need to feed a suitable concentrate ration.	7
Oil %	2	Low	2 - 3	The oil content of your hay is low. Hay is a poor source of oil. A suitable concentrate feed will provide your horse with additional oil and if necessary extra oil (e.g. Soya Oil) can be added to your horse's diet to increase calorie intake and aid coat condition.	2
Ash %	4	Low	6 - 10	The ash content of your hay is low. This shows that it contains low levels of minerals. To give your horse a fully balanced diet you will need to feed a suitable concentrate ration.	4
NDF %	71	High	50 - 65	The NDF content of your hay is high. This shows that it contains more mature indigestible fibre. This means it has a lower nutritional value but indigestible fibre is a normal part of your horse's diet.	63
ADF%	39	Average	30 - 40	The ADF content of your hay is average. This shows that it has an average digestibility.	34
DE MJ/kg	7.9	Low	8 - 10	The DE content of your hay is low. This shows that your hay has a low calorie content.	7
Sugars %	7	Low	8 - 10	The sugar content of your hay is low. The sugar level will vary depending on the time of day, weather conditions and the stage of plant growth during harvest.	6

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*Nutrient analyses expressed as as fed include this water component and is what your horse consumes as fresh forage.*

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