



BY APPOINTMENT TO HER MAJESTY  
QUEEN ELIZABETH II  
HORSE AND DOGS FOOD MANUFACTURERS  
DODSON & HORRELL LIMITED, KETTERING

# DODSON & HORRELL

ANIMAL HEALTH, NUTRITION AND WELL-BEING

FEEDING SUCCESS

**Customer** Davina Wilson  
**Lab Reference No.** 1111323  
**Sample Type** Hay  
**Sample Details** Meadow Hay

Analyte	Unit	Result % DM	Graphical Representation	Typical Range % DM		Result As Fed
				Min	Max	
Dry Matter	%	80		85	90	n/a
Protein	%	8		6	9	6
Oil	%	1		2	3	1
Ash	%	6		6	10	5
NDF	%	52		50	65	42
Sugar	%	9		8	10	7
DE	MJ/KG	7.9		8	10	6

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 include this water component and is what your horse consumes as fresh forage.*

Authorised By: *Chymah Major*  
02/08/2019



**Forage Analysis Report**

**Customer** Davina Wilson

**Lab Reference No.** 1111323

**Sample Details** Meadow Hay

**Sample Type** Hay

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 %	80	Low	85 - 90	The dry matter content of your hay is low and it contains a high amount of water. High water content may increase the risk of mould development; mouldy hay should not be fed. As a guide to meet total fibre requirements a 500kg horse would need between:  9.5 - 15.5 kg/day or 21 - 34 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.	6
Oil %	1	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.	1
Ash %	6	Average	6 - 10	The ash content of your hay is average. This shows that it contains average levels of minerals. However, hay alone will not provide you horse with a fully balanced diet and you will still need to feed a suitable concentrate ration or vitamin and mineral supplement.	5
NDF %	52	Average	50 - 65	The NDF content of your hay is average. This shows that it has an average digestibility.	42
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.	6.3
Sugars %	9	Average	8 - 10	The sugar content of your hay is average. The sugar level will vary depending on the time of day, weather conditions and the stage of plant growth during harvest.	7

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