



**Customer** David Knight  
**Lab Reference No.** 1048246  
**Sample Type** Hay  
**Sample Details** Sample 1 Hoppe Hedge

Analyte	Unit	Result % DM	Graphical Representation	Typical Range % DM		Result As Fed
				Min	Max	
Dry Matter	%	82		85	90	n/a
Protein	%	10		6	9	8
Oil	%	2		2	3	2
Ash	%	7		6	10	6
NDF	%	42		50	65	34
Sugar	%	8		8	10	7
DE	MJ/KG	12.2		8	10	10

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: *Heidi Smith*  
 07/10/2014



### Forage Analysis Report

**Customer** David Knight

**Lab Reference No.** 1048246

**Sample Details** Sample 1 Hoppe Hedge

**Sample Type** Hay

**Based on the analysis results your hay has a HIGH 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 %	82	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 - 15 kg/day or 20 - 33 lbs/day	n/a
Protein %	10	High	6 - 9	The protein content of your hay is high, indicating that it was made from an early cut of grass that contained lots of leaf. Even so, hay alone will not give your horse enough good quality protein and you will need to feed a suitable concentrate ration.	8
Oil %	2	Average	2 - 3	The oil content of your hay is average. However, 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 %	7	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.	6
NDF %	42	Low	50 - 65	The NDF content of your hay is low. This shows that it is very digestible.	34
DE MJ/kg	12.2	High	8 - 10	The DE content of your hay is high. This shows that your hay has a high calorie content.	10.0
Sugars %	8	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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**Feeding Recommendations**

The most suitable feed to balance your horse's diet will depend on his/her workload, body weight and body fat score. These suggestions will help you decide which feed is most suitable for your horse based on your hay analysis results. If you would like to discuss your horse's diet in more detail please call our Nutritional Helpline on 0845 345 2627 (normal national rates apply).

**MAINTENANCE-LIGHT WORK (e.g. at grass, hacking four-six times a week)**

Your hay has a HIGH nutritive value and may not be ideal if your horse is in light work. If your horse is gaining too much weight consider either diluting the hay with 50% oat or barley straw (provided your horse's teeth are in good condition) or feeding hay that has been soaked for 12hrs. As well as controlling calories and increasing exercise it is also important that you make sure your horse gets a fully balanced diet. Feed a low intake balancer such as Ultimate Balancer or a vitamin and mineral biscuit such as Equi-Bites.



**MEDIUM WORK (e.g. affiliated jumping, dressage, schooling six days a week)**

Your hay has an HIGH nutritive value and is suitable if your horse is in medium work. To make sure your horse gets a fully balanced diet feed any of our competition feeds including; Competition Mix/Cubes for fast release energy or Staypower Mix/Cubes for slow release energy. However, if your horse maintains weight easily a low intake competition feed such as Competition Concentrate is ideal



**HARD WORK (e.g. racehorses, advanced eventers, 70 mile endurance racing)**

Your hay has an HIGH nutritive value and is ideal if your horse is in hard work. Feeding any of our Competition or Racing feeds will make sure your horse gets a fully balanced diet.



**GOOD DOER/ LAMINITIC**

Your hay has a HIGH nutritive value and is not ideal if your horse is a good doer or prone to laminitis. Consider feeding a low nutritive value hay. As well as controlling calories and increasing exercise it is also important that you make sure your horse gets a fully balanced diet. Suitable feeds include Safe & Sound, Ultimate Balancer or Equi-Bites. If you would like help choosing the most suitable feed for your good doer or laminitic call our Nutritional Helpline.



**Feeding your other animals**

Dodson & Horrell don't just make horse feed we also manufacture the Chudleys range of dry dog food suitable for dogs of all shapes, ages and sizes. In addition, we also make a range of small animal feeds for cats, ferrets and rabbits. Our Countryside range caters for hens sheep pigs and goats. For more information visit [www.dodsonandhorrell.com](http://www.dodsonandhorrell.com) or the online store [www.dodsonandhorrellpetfood.co.uk](http://www.dodsonandhorrellpetfood.co.uk)

