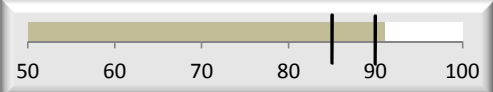
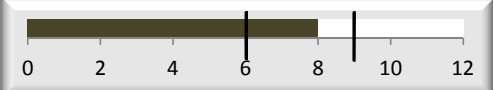
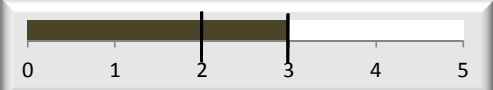
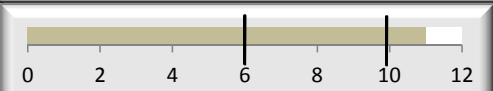
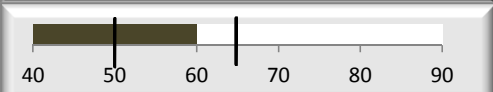
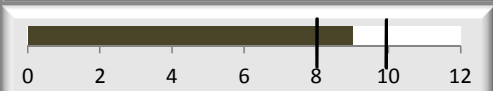
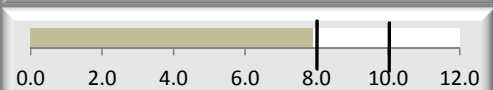


Customer David Knight
Lab Reference No. 1061812
Sample Type Hay
Sample Details Clarkes

Analyte	Unit	Result % DM	Graphical Representation	Typical Range % DM		Result As Fed
				Min	Max	
Dry Matter	%	91		85	90	n/a
Protein	%	8		6	9	7
Oil	%	3		2	3	3
Ash	%	11		6	10	10
NDF	%	60		50	65	55
Sugar	%	9		8	10	8
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 include this water component and is what your horse consumes as fresh forage.

Authorised By: Heidi Smith
 12/10/2015

Forage Analysis Report

Customer David Knight

Lab Reference No. 1061812

Sample Details Clarkes

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 %	91	High	85 - 90	The dry matter content of your hay is high. This will help limit mould development. As a guide to meet fibre requirements a 500kg horse would need between: 8 - 13.5 kg/day or 17.5 - 29.5 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 %	3	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.	3
Ash %	11	High	6 - 10	The ash content of your hay is high. This shows that it contains high levels of minerals. Even so, hay alone will not provide you horse with a fully balanced diet and you will still need to feed a suitable concentrate feed or vitamin and mineral supplement. A high ash level may also show that some soil contamination has occurred, which can introduce undesirable micro-organisms and reduce both palatability and nutritive value.	10
NDF %	60	Average	50 - 65	The NDF content of your hay is average. This shows that it has an average digestibility.	55
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.	7.2
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.	8

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
12/10/2015

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 LOW nutritive value and is ideal if your horse is in light work. To make sure your horse gets a fully balanced diet feed either Leisure Mix or High Fibre Nuts.



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

Your hay has a LOW nutritive value and may not be ideal 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. If your horse is losing weight you may need to replace your normal competition ration with Build Up Mix/ Cubes.



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

Your hay has a LOW nutritive value and is not ideal if your horse is in hard work. You should consider feeding better quality hay or replacing some of your hay with a high calorie chaff such as Alfalfa Chaff/ Just Grass (600g/100kgBW). Feed a high calorie concentrate feed such as Build Up Mix/ Cubes or one of our Racing feeds to balance the low nutritive value of your hay.



GOOD DOER/ LAMINITIC

Your hay has a LOW nutritive value and is suitable if your horse is a good doer or prone to laminitis. To reduce your horse's calorie intake consider diluting your hay with 25% oat or barley straw (provided your horse's teeth are in good condition) or feeding hay that has been soaked for up to 12hrs. To make sure your horse gets a fully balanced diet feed a suitable feed such as 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 or the online store www.dodsonandhorrellpetfood.co.uk

