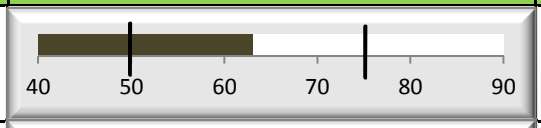
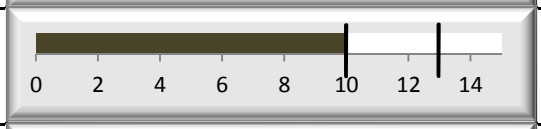
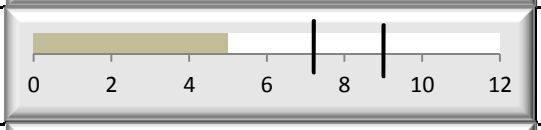
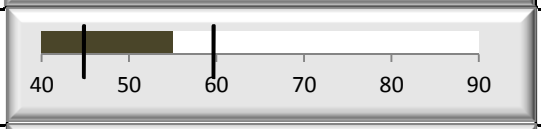
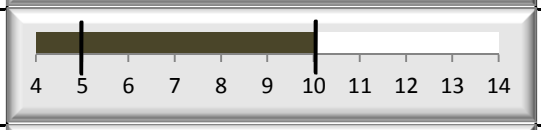
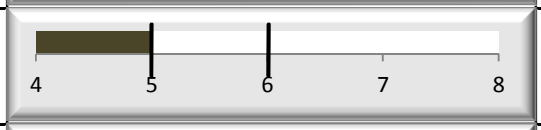
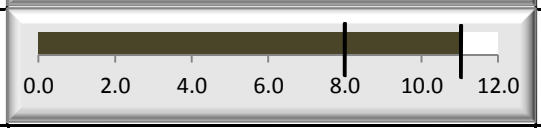
concept LABORATORY SERVICES

Customer David Knight
Lab Reference No. 1048248
Sample Type Haylage
Sample Details Sample 3 Wor Top Small

Analyte	Unit	Result % DM	Graphical Representation	Typical Range % DM		Result As Fed
				Min	Max	
Dry Matter	**%**	**63**		50	75	**n/a**
Protein	**%**	**10**		10	13	**6**
Oil	**%**	**4**		2	3	**3**
Ash	**%**	**5**		7	9	**3**
NDF	**%**	**55**		45	60	**35**
Sugar	**%**	**10**		5	10	**6**
pH	**pH**	**5**		5	6	**n/a**
DE	**MJ/KG**	**11.0**		8	11	**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, haylage 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

PART OF THE D&H DODSON & HORRELL GROUP

concept LABORATORY SERVICES

Forage Analysis Report

Customer David Knight **Lab Reference No.** 1048248

Sample Details Sample 3 Wor Top Small **Sample Type** Haylage

Based on the analysis results your haylage has an AVERAGE nutritive value. However, our research has shown that haylage 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 %	**63**	**Average**	50 - 75	The dry matter content of your haylage is average, this will help limit mould development. As a guide to meet fibre requirements a 500kg horse would need between: 12 - 20 kg/day or 26.5 - 44 lbs/day	**n/a**
Protein %	**10**	**Average**	10 - 13	The protein content of your haylage is average. However, haylage alone will not give your horse enough good quality protein and you will need to feed a suitable concentrate ration.	**6**
Oil %	**4**	**High**	2 - 3	The oil content of your haylage is high. Even so, haylage 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 %	**5**	**Low**	7 - 9	The ash content of your haylage 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.	**3**
NDF %	**55**	**Average**	45 - 60	The NDF content of your haylage is average. This shows that it has an average digestibility.	**35**
DE MJ/kg	**11.0**	**Average**	8 - 11	The DE content of your haylage is average. This shows that your haylage has an average calorie content.	**6.9**
Sugars %	**10**	**Average**	5 - 10	The sugar content of your haylage is average. This shows that correct fermentation has occurred.	**6**
pH	**5**	**Average**	5 - 6	The pH of your haylage is average showing that correct fermentation has occurred.	**n/a**

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, haylage 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

PART OF THE D&H DODSON & HORRELL GROUP

DODSON & HORRELL
LIMITED

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 haylage 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 haylage has an AVERAGE nutritive value and is suitable if your horse is in light work. Provided your horse is not under or overweight feed either Leisure Mix or High Fibre Nuts. However, if your horse keeps weight on easily Ultimate Balancer is ideal.

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

Your haylage has an AVERAGE 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 haylage has an AVERAGE nutritive value and is suitable 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 haylage has an AVERAGE nutritive value and is not ideal if your horse is a good doer or prone to laminitis. If your horse is gaining too much weight consider either diluting your haylage with 25% 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 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 or the online store www.dodsonandhorrellpetfood.co.uk

DODSON & HORRELL
LIMITED