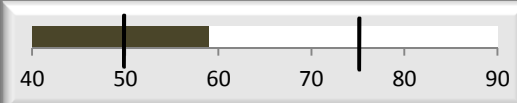
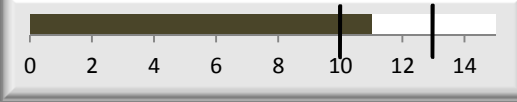
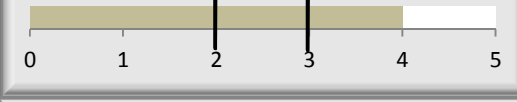
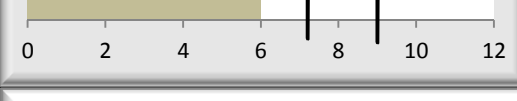
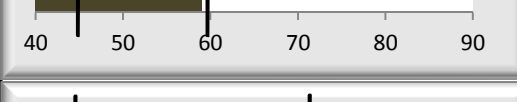
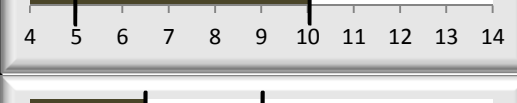

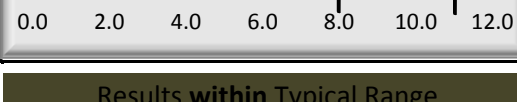


**Customer** Stuart Morris via Chris Gordon  
**Lab Reference No.** 1048483  
**Sample Type** Haylage  
**Sample Details** Knights

| Analyte    | Unit  | Result % DM | Graphical Representation   | Typical Range % DM |     | Result As Fed |
|------------|-------|-------------|--|--------------------|-----|---------------|
|            |       |             |  | Min                | Max |               |
| Dry Matter | %     | 59          |    | 50                 | 75  | n/a           |
| Protein    | %     | 11          |    | 10                 | 13  | 6             |
| Oil        | %     | 4           |   | 2                  | 3   | 2             |
| Ash        | %     | 6           |  | 7                  | 9   | 4             |
| NDF        | %     | 59          |  | 45                 | 60  | 35            |
| Sugar      | %     | 10          |  | 5                  | 10  | 6             |
| pH         | pH    | 5           |  | 5                  | 6   | n/a           |
| DE         | MJ/KG | 10.6        |  | 8                  | 11  | 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, 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*  
 13/10/2014

### Forage Analysis Report

**Customer**      Stuart Morris via Chris Gordon

**Lab Reference No.**    1048483

**Sample Details**    Knights

**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 % | 59          | 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:<br><br>12.5 - 21 kg/day or 27.5 - 46 lbs/day  | n/a           |
| Protein %    | 11          | 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. | 2             |
| Ash %        | 6           | 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.  | 4             |
| NDF %        | 59          | Average | 45 - 60            | The NDF content of your haylage is average. This shows that it has an average digestibility.   | 35            |
| DE MJ/kg     | 10.6        | Average | 8 - 11             | The DE content of your haylage is average. This shows that your haylage has an average calorie content.  | 6.3           |
| 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*

13/10/2014