

LUFA Nord-West - Institut für Futtermittel - Jägerstraße 23-27 - 26121 Oldenburg

Your contact

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Oldenburg, 30/09/2024

Report-version: 1

Analytical report

Customer-no.:	50192713	Date of receipt:	24/09/2024
Order-no.:	4329305	Beginning of the test:	24/09/2024
Sample no.:	24FG015423	Ending of test:	30/09/2024
Sample type:	Hay		
Harvest date:	26/06/2024		
Description:	Timothy hay 1st cut (Kretinga)		

Sampler:	by client				
Parameter	Results in	calculated on	Target value in	Unit	
Method	original substance	Dry matter	Dry matter		
Appearance	normal/product-specific				
<i>LUFA Nord-West 1/3-185; 2015-02; #6</i>					
Odor	normal/product-specific				
<i>LUFA Nord-West 1/3-185; 2015-02; #6</i>					
Dry matter	86.8		> 85.0	%	
<i>VO (EG) 152 Anhang III, A; 2009</i>					
Crude protein (N x 6,25)	3.2	3.7	< 12.0	%	
<i>VDLUFA III 31.2; 2004 (mod.)</i>					
Crude fibre	32.0	36.9	25.0 to 32.0	%	
<i>VDLUFA III 31.2; 2004 (mod.)</i>					
ADFom	37.0	42.6		%	
<i>VDLUFA III 31.2; 2004 (mod.)</i>					
aNDFom	60.9	70.2		%	
<i>VDLUFA III 31.2; 2004 (mod.)</i>					
Total sugars	10.8	12.5	< 10.0	%	
<i>VDLUFA III 31.2; 2004 (mod.)</i>					
Fructan	9.0	10.4	< 5.0	%	
<i>VDLUFA III 31.2; 2004 (mod.)</i>					
Crude fat	1.2	1.4		%	
<i>VDLUFA III 31.2; 2004 (mod.)</i>					
Crude ash	2.2	2.6	< 10.0	%	
<i>VO (EG) 152 Anhang III, M; 2009</i>					
Sand	-	< 1.0	< 2.0	%	
<i>calculated; #6</i>					
ME-Horse	6.2	7.1		MJ/kg	
<i>Ber. gem. GfE, DLG u. FMV; #6</i>					
pcd CP (praec.digest. crudeprot.)	1.5	1.7		%	
<i>VDLUFA III 31.2; 2004 (mod.)</i>					
NFC (Non-Fibre-Carbohydrates)	19.2	22.2		%	
<i>calculated; #6</i>					
Calcium (Ca)	0.08	0.09	0.35 to 0.70	%	
<i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>					
Phosphorus (P)	0.09	0.10	> 0.25	%	
<i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>					

#2 = IfT, Oldenburg; #3 = IfL, Oldenburg; #4 = IfB, IfD, Hameln; #5 = Untersuchung erfolgte in Fremdlabor; #6 = unterliegt nicht der Akkreditierung;
 „<...“ = Wert ist kleiner als die nebenstehende untere Grenze des Arbeitsbereiches bzw. der Bestimmungsgrenze
 Digestion methods: #A1: VDLUFA VII, 2.1.3; 2021

The results refer to the present material of the sample. It is not allowed to copy parts of this analytical report without authorization of the LUFA Nord-West. The accreditation is valid for the in D-PL-14165-01-00 listed scope.

Institut für Futtermittel

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<http://www.lufa-nord-west.de>



DAkkS
Deutsche
Akkreditierungsstelle
D-PL-14165-01-00



Oldenburg, 30/09/2024

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Analytical report

Customer-no.: 50192713
Order-no.: 4329305
Sample no.: **24FG015423**
Sample type: Hay
Harvest date: 26/06/2024
Description: Timothy hay 1st cut (Kretinga)

Date of receipt: 24/09/2024
Beginning of the test: 24/09/2024
Ending of test: 30/09/2024

Parameter Method	Results in original substance	calculated on Dry matter	Target value in Dry matter	Unit
Sodium (Na) <small>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</small>	< 0.02	< 0.02	> 0.10	%
Magnesium (Mg) <small>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</small>	0.04	0.04	0.15 to 0.40	%
Potassium (K) <small>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</small>	0.91	1.05	0.30 to 3.00	%
Sulphur (S) <small>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</small>	0.06	0.07	0.20 to 0.40	%
Copper (Cu) <small>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</small>	< 2	< 2	6 to 15	mg/kg
Zinc (Zn) <small>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</small>	11	13	50 to 200	mg/kg
Manganese (Mn) <small>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</small>	50	57	50 to 200	mg/kg
Iron (Fe) <small>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</small>	20	23	75 to 750	mg/kg

Durchschnitt Ernte 2023: TS 86,4 %; Rohprotein 8,3 %; Rohfaser 32,5 %; Rohasche 5,4 %; Zucker 12,1 %; NFC 20,2 %; Fruktan 6,4 %; pcv XP 5,1 %; ME-Pferd 7,3 MJ/kg

On behalf of

Laura Draack
Laborbereichsleitung

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