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Oldenburg, 07/09/2024

Report-version: 1

Analytical report

Customer-no.: 50192713
Order-no.: 4303084
Sample no.: **24FG013258**
Sample type: Hay
Harvest date: 26/06/2024
Description: Hay pellets

Date of receipt: 03/09/2024
Beginning of the test: 03/09/2024
Ending of test: 07/09/2024

Sampler: by client

Parameter <i>Method</i>	Results in original substance	calculated on Dry matter	Target value in Dry matter	Unit
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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	89.7		> 85.0	%
<i>VO (EG) 152 Anhang III, A; 2009</i>				
Crude protein (N x 6,25)	12.0	13.4	< 12.0	%
<i>VDLUFA III 31.2; 2004 (mod.)</i>				
Crude fibre	24.2	27.0	25.0 to 32.0	%
<i>VDLUFA III 31.2; 2004 (mod.)</i>				
ADFom	28.8	32.1		%
<i>VDLUFA III 31.2; 2004 (mod.)</i>				
aNDFom	52.6	58.6		%
<i>VDLUFA III 31.2; 2004 (mod.)</i>				
Total sugars	5.4	6.0	< 10.0	%
<i>VDLUFA III 31.2; 2004 (mod.)</i>				
Fructan	2.2	2.4	< 5.0	%
<i>VDLUFA III 31.2; 2004 (mod.)</i>				
Crude fat	2.4	2.7		%
<i>VDLUFA III 31.2; 2004 (mod.)</i>				
Crude ash	5.4	6.0	< 10.0	%
<i>VDLUFA III 31.2; 2004 (mod.)</i>				
Sand	-	< 1.0	< 2.0	%
<i>calculated; #6</i>				
ME-Horse	7.4	8.2		MJ/kg
<i>Ber. gem. GfE, DLG u. FMV; #6</i>				
pcd CP (praec.digest. crudeprot.)	7.7	8.6		%
<i>VDLUFA III 31.2; 2004 (mod.)</i>				
NFC (Non-Fibre-Carbohydrates)	17.3	19.3		%
<i>calculated; #6</i>				
Calcium (Ca)	0.72	0.80	0.35 to 0.70	%
<i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>				
Phosphorus (P)	0.22	0.24	> 0.25	%
<i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>				

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Sodium (Na) <i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>	< 0.02	< 0.02	> 0.10	%
Magnesium (Mg) <i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>	0.21	0.24	0.15 to 0.40	%
Potassium (K) <i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>	1.48	1.65	0.30 to 3.00	%
Sulphur (S) <i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>	0.16	0.18	0.20 to 0.40	%
Copper (Cu) <i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>	5	6	6 to 15	mg/kg
Zinc (Zn) <i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>	23	26	50 to 200	mg/kg
Manganese (Mn) <i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>	80	89	50 to 200	mg/kg
Iron (Fe) <i>ASU F 0096; 2019-06 / DIN EN 15621; 2017-10, #A1</i>	255	284	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

Parameter	Unit	Results in original substance
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Microbiological results

Salmonella spp. in 25g **not detected**
DIN EN ISO 6579-1; 2020-08

On behalf of

Laura Draack
Laborbereichsleitung

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