NutritionalValue analysis
Grass fresh
Tornudo

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Example Report

Eurofins Agro
Binnenhaven 5
6709PD WAGENINGEN

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Analysis

Investigation/order number:
Harvestdate: -

Results in gram/kg, unless stated differently.

Nutritional value and analysis result

	Result product	Result dry matter	Target value	Mean spring		Result dry matter	Target value	Mean spring
DM	**171**		150-220	189	Crude ash	**97**	60-100	90
VEM 2022	181	**1062**	980-1040	954	Dig.OM% (%OM)	**88,7**	82-86	83,0
VEM	182	**1068**	1000-1050	997	Crude protein	**189**	190-240	182
VEVI	197	**1154**	1060-1120	1056	Soluble Cr.Prot(%CP)	**33**	20-40	33
DVE	17	**101**	90-100	88	Crude fat	**32**	30-50	35
OEB	6	**37**	45-75	33	Crude fibre	**185**	190-220	212
VOS	137	**801**	740-770	755	Sugar	**218**	60-150	162
FOSp	104	**607**	550-590	576	NDF	**434**	425-525	476
OEB 2 hours	0	**2**	20-30	8	NDF digest.(%NDF)	**87,2**	70-80	79,4
FOSp 2 hours	49	**286**	160-235	234	ADF	**194**	225-325	241
Structure value		**1,5**	1,5-1,8	1,7	ADL	**9**	15-35	17
Satiety value		**0,89**	0,89-0,91	0,91				

Minerals

	Result dry matter	Target value	Mean spring		Result dry matter	Target value	Mean spring
Sodium	**0,3**	1,0-3,8	1,9	Manganese (mg)	**100**	30-110	67
Potassium	**37,3**	30-43	30,5	Zinc (mg)	**35**	27-55	34
Magnesium	**1,7**	1,7-2,9	2,0	Iron (mg)	**196**	70-200	143
Calcium	**6,2**	4,0-7,0	4,6	Copper (mg)	**6,5**	5,5-9,5	6,4
Phosphorus	**3,7**	3,5-5,0	3,6	Molybdenum (mg)	**1,0**	1,0-3,0	1,8
Sulphur	**2,5**	2,3-4,4	2,9	Iodine (mg)	**0,3** ind)		0,3
Chloride	**7,5**		10,7	Boron (mg)	**6,4**	4,0-10,0	6,8
Cation Anion Bal (meq)	**599**		380	Cobalt (µg)	**48**	30-115	88
				Selenium (µg)	**16**	15-75	57

ind) This is an indicative value.

Tornudo

N/S ratio

	Result dry matter	Target value
N/S-ratio	12,1	< 14

When the N/S-ratio is low, the supply of sulphur is sufficient. There is no risk of yield reduction.

Remark

Nutritional value and analysis result

The for crude protein corrected fibre content is:
NDF N-free 386 g/kg DM

Cattle: the calculated content of the following intestine digestible amino acids are roughly:
Lysine 6,0 g/kg DM
Methionine 2,1 g/kg DM

DVE 1991:
DVE-1991: 110 g DVE, 15 g OEB, 708 g FOS.

Contact & info

Contact sample taking:
Eurofins Agro Testing Belgium NV:

Sample was taken by Others
Date sampling [dd-mm-yyyy]
Receiving date [dd-mm-yyyy]
Date report [dd-mm-yyyy]

ABBREVIATIONS USED:

mg	milligram (1 mg = 1 thousandth gram)
µg	microgram (1 µg = 1 millionth gram)
DM	Dry matter
Dig.OM% (%OM)	Digestion coefficient Organic Matter (% of organic matter)
VOS	Digestible Organic Matter
Soluble Cr.Prot(%CP)	Soluble Cr.Protein (% CrProt total)
NDF	Neutral Detergent Fibre
ADF	Acid Detergent Fibre
ADL	Acid Detergent Lignin
NDF digest.(%NDF)	NDF digestibility (%NDF)
Cation Anion Bal (meq)	Cation Anion balance of Na,K,S,Cl (milli equivalents/kg DM)
VEM	Feed Unit Milk
VEVI	Feed Unit Beef Cattle Intensive
DVE	Intestine Digestible Protein
OEB	Degradable Protein Balance
FOS(p)	Fermentable Organic Matter (rumen)
2 hours	Amount of OEB and FOS left after being 2 hours in the rumen.
Structure value	Structure value/kg DM (CVB 1998)
Satiety value	Units of satiety/kg DM (CVB 2002)

Explanation of column with mean values:
For ensiled grass, the season is determined, based on the harvest date of this batch: spring
The national averages are shown here, which were calculated from this season's overviews of the previous five years.

If the following information is shown in the reports, this information may have been provided by the client and may affect the valuation, advice and/or analysis result:
date of harvest, crop, amount/tonnage (if no dimensions are available), batch storage, batch chopped, soil coverage. sampling date.

Method

Dry matter	Q	Em: GEWAS.OVB
Crude ash	Q	Em: NIRS
Dig.OM% (%OM)	Q	Em: NIRS
Crude protein (for silage: ammonia-free)	Q	Em: NIRS
Soluble Cr.Prot(%)		Em: NIRS
Crude fat		Em: NIRS
Crude fibre	Q	Em: NIRS
Sugar	Q	Em: NIRS
NDF		Em: NIRS
NDFdigestibility(%)		Em: NIRS
ADF		Em: NIRS
ADL		Em: NIRS
Minerals (Na,K,Mg, Ca,P,S,Mn,Zn,Fe)	Q	Em: SPZ2
Trace elements (Cu,Mo,Co,Se)	Q	Em: SPZ2
Iodine (mg)		Em: SPZ2
Boron (mg)		Em: SPZ2
Chloride		Em: NIRS
Cation Anion Bal (meq)		Calculated value

Em	Method Eurofins Agro
Gw; Cf	Equivalent of; In conformity with
Q	Method accredited by RvA

All procedures have been completed within the maximum shelf life between sampling and analysis.

The measurement uncertainty of a method can be requested from Eurofins Agro.
The analysis started on the receiving date.

The analyses were conducted at the laboratory of Eurofins Agro Binnenhaven 5, in Wageningen (NL).

The results relate exclusively to the material supplied, which Eurofins Agro received and was processed on [dd-mm-yyyy], and therefore to the sample analysed.

For a detailed description of the sampling and analysis methods used, visit www.eurofins-agro.com