



FEED

For lab use only

Submitted By: _____
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Samples received without payment or prior credit arrangement will not be processed.

Please make cheque payable to SGS Canada Inc, or contact the laboratory with credit card information.

Please contact the laboratory for pricing information.

Reported By: Email () Web () Fax () Mail ()

Date Sampled: _____

Include the forage type, cut and mix in the sample description.
 For example: 3rd cut legume haylage

Additional Test Package information and descriptions are located on the back of this form.

Sample #	Sample Description	Basic Packages					Dairy Packages										Other Pkgs			Options / Toxins															
		Type I	Type II	Type III	Type IV	Type V	Excel Basic	Excel Plus	NCPS	NW-40	NW-41	CPM	NIR 20	NIR 40	Milk 2006	NW TMR	NIR TMR	NW Grain	NIR Grain	Equine Complete	Swine ME	Poultry ME	Salt	Ash	Crude Fibre	Crude Fat	Starch	Nitrates	ADF	NDF	Water Soluble Carbohydrate	Vomitoxin	Zearalenone	Aflatoxin T-2	

Sample Retention: Perishable samples 2 weeks/Non-perishable samples 3 months. Extended retention times must be advised and may be subject to additional costs. This document is issued by the Company under its General Conditions of Service accessible at <https://www.sgs.com/en/terms-and-conditions>. (Printed copies are available upon request.) Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.



Feed and Forage Packages

Type I

Moisture, crude protein

Type II

Moisture, crude protein, calcium, phosphorus, Ca/P ratio, potassium, magnesium, sodium

Type III

Type II plus copper, zinc, manganese, iron

Type IV

Type II plus acid detergent fibre

Calculations: ADF energy calculations (TDN, NEL, NEG, NEM)

Type V

Moisture, crude protein, calcium, phosphorus, Ca/P ratio, sodium

NCPS (by wet chemistry)

DM, CP, SP, ADF-CP, NDF-CP, ADF, NDF, lignin, fat, ash, starch, Ca, P, K, Mg, Na

Calculations: Amm-CP as % SP (fermented), NFC, UIP, RFV (hay/haylage), ADF and/or OARDC energy calculations (TDN, NEL, NEG, NEM) where applicable

Excel Basic

DM, CP, ADF, NDF, Ca, P, K, Mg, Na, Cu, Fe, Mn, Zn

Calculations: RFV, NFC, ADF energy calculations (TDN, NEL, NEG, NEM)

Excel Plus

Excel Basic plus SP and UIP

NW40

By NIR: CP, SP, ADF-CP, NDF-CP, ADF, NDF, lignin, fat, ash, starch, NH₃-N (fermented)

By Wet Chemistry: DM, Ca, P, K, Mg, Na

Calculations: Amm-CP (as % SP - fermented), Digestible Protein (DP), SP/ADP as % CP, NFC, UIP, RFV (hay/haylage), ADF and OARDC energy calculations (TDN, NEL, NEG, NEM)

NW41

NW40 plus Cu, Zn and Mn by wet chemistry

NW TMR

By NIR: CP, SP, ADF-CP, NDF-CP, ADF, NDF, lignin, starch, fat, ash

By Wet Chemistry: DM, Ca, P, K, Mg, Na, Cu, Fe, Mn, Zn

Calculations: SP/UIP as %CP, ADF and OARDC energy calculations (TDN, NEL, NEG, NEM)

CPM (fermented and non-fermented forages)

By NIR: CP, SP, ADF-CP, NDF-CP, ADF, NDF, NDFom, lignin, fat, ash, starch, 24, 30, 48, 120 and 240hr NDF digestibility, 24, 30, 48, 120 and 240hr NDFd om, 7hr SCH digestibility (corn silage), ESC, pH (fermented), NH₃-N (fermented), lactic and acetic acid (fermented)

By Wet Chemistry: DM, Ca, P, K, Mg, Na, Cl, S, Cu, Mn, Zn

Calculations: Amm-CP (as % SP - fermented), UIP, SP/ADP/NDP as % CP, NFC, DCAB Index, RFV and RFQ (hay/haylage), digestibility rate, ADF and OARDC energy calculations (TDN, NEL, NEG, NEM)

NW Grain (HMC/CCM/Grain Corn)

By NIR: CP, ADF, NDF, ADP (HMC/CCM), starch, fat, ash (HMC/CCM), 7hr SCH digestibility (HMC)

By Wet Chemistry: DM, Ca, P, K, Mg, Na

Calculations: NFC, ADP as %CP, ADF and OARDC Energy calculations (TDN, NEL, NEG, NEM)

NIR Grain

NW Grain with all results by NIR except DM

NIR TMR

NW TMR with all results by NIR. Na, Cu, Fe, Mn and Zn not included

NIR 20

NW40 with all results by NIR except DM

NIR 40

CPM with all results by NIR except DM. DCAB index, Na, Cu, Fe, Mn and Zn not included.

Milk 2006 (Corn Silage and Alfalfa only)

All results by NIR except DM

CP, ADF-CP, NDF-CP, ADF, NDF, lignin, starch, fat, ash, 48hr NDFd, Ca, P, K, Mg

Calculations: NFC, Milk per ton, ADF and/or OARDC energy calculations (TDN, NEL, NEG, NEM)

Rapid Scissor Cuts

All results by NIR except DM

CP, ADF, NDF, RFV (calculated)

Quick turnaround results to evaluate forage stand quality

Equine Complete

NW41 plus ESC and WSC

Calculations: SP/ADP/NDP as % CP, TDN and DE for horses

Swine ME

Type II plus fat, ash, crude fibre, metabolizable energy (ME)

Poultry ME

Type II plus fat, starch, simple sugars, metabolizable energy (ME)