

## LIST OF AVAILABLE ANALYSIS

MOISTURE and ASH	Turn Around Time	METHOD
<i>ISO</i> Ash	4 days	<b>MA# 12 ACCREDITED</b> Ref: AOAC 942.05
Ash Molasses	4 days	<b>MA# 11</b> Ref: AOAC 969.36
<i>ISO</i> Dry Matter 104°C	4 days	<b>MA# 05 ACCREDITED</b> Ref: AOAC 935.29 AND 945.15
Dry Matter 130°C	4 days	<b>MA# 72</b> Ref: Ba 2a-38 AOCS
Dry Matter (vacuum)	4 days	<b>MA# 11</b> Ref: AOAC 969.36 and SASTA (2005) Method 6.2- C- Molasses: Moisture by vacuum oven
<i>ISO</i> Dry Matter 60	4 days	<b>MA# 19 ACCREDITED</b> Ref: NFTA-Procedure # 2.2.1.1
Insoluble Ash	10 days	<b>MA# 12</b> Ref: AOAC 942.05
<i>ISO</i> Moisture 100°C	4 days	<b>MA# 06 ACCREDITED</b> Ref: AOAC 934.01
<i>ISO</i> Moisture in Meat	4 days	<b>MA# 06 ACCREDITED</b> Ref: AOAC 950.46B
Organic Matter	10 days	<b>MA# 06</b> Ref: AOAC 934.01

NIR	Turn Around Time	METHOD
Scan NIR (*)(**)	4 days	<b>MA# 76</b> Ref: NIRS diagnostics et analysis std procedure for FOSS DS2500. (mod.)
Package NIR forage (NIR+MS 60)	3 days	<b>MA# 76</b> Ref: NIRS diagnostics et analysis std procedure for FOSS DS2500. (mod.)
(*)FEEDS AND INGREDIENTS ANALYSIS		ADF (Ankom), Nitrogen linked to ADF, ASHES, Crude Fiber, Dry Matter, Moisture, Fat, Crude Fat (Acid Hydrolysis), NIR NDF ankom, NIR NDF, Protein
(**) FORAGE ANALYSIS		Acetic Acid, Lactic Acid, ADF, Nitrogen linked to ADF, Lignine, Ashes, Dry Matter, Moisture, Fat, Insoluble Fiber, FIN, FIN ashless, Potential Digestibility, Protein, Ca, Mg, P, Na, K, Sulfur
<i>New</i> <b>NIR Tamis</b> (Wheat Hard Vfine Grnd Blk, Wheat Soft Vfine Grnd Blk, Maize Fine Roll Blk, Maize Fine Grnd Blk, Maize Vfine Grnd Blk, Barley Vfine Grnd Blk)	5 days	<b>MA# 76</b> Ref: NIRS diagnostics and analysis standard procedure for FOSS DS2500

MINERAL	Turn Around Time	METHOD
<i>ISO</i> Ca, Na, Cu, Fe, K, Mg, Mn, P, Zn	3days(hay)/4days(feed)	<b>MA# 08 ACCREDITED</b> Ref: AOAC 985.35, 968.08
Al, Co, Mo, Ni, S	10 days	AOAC 985.35, 968.09/Plasma Induction Spectrophotometry
Cd, Cr, Pb, Sb,	10 days	AOAC 985.35, 968.10/Plasma Induction Spectrophotometry
Se	10 days	AOAC 996.17
<i>New</i> <b>Scan XRF (Hay+Silage+RTM)(Ca, Fe, P, Mg, Na, K, Cu, Mn, Zn, S, Cl)</b>	3 days	<b>MA #112</b> Ref: Bruker- S2 Puma-User Manual XRF
<i>New</i> <b>Forfait Devel XRF 1 sample (Développement XRF: min Icp, Cl, S)</b>	3 days	<b>MA #112</b> Ref: Bruker- S2 Puma-User Manual XRF

PROTEIN	Turn Around Time	METHOD
<i>ISO</i> Nitrogen %	4 days	<b>MA# 20 ACCREDITED</b> Ref:AOAC 990.03, by COMBUSTION METHOD WITH LECO TRUMAC CNS
<i>ISO</i> Protein %	4 days	<b>MA# 20 ACCREDITED</b> Ref:AOAC 990.03, by COMBUSTION METHOD WITH LECO TRUMAC CNS
Available Protein	4 days	<b>MA# 20 and MA# 09</b>
Protein Bound to NDF	4 days	<b>MA# 20 and MA# 09</b>

	ADFN	4 days	<b>MA# 20 and MA# 43</b>
	Protein Solubility	10 days	AOCS Ba 10-65+AOAC 990.03
	Protein Dispersion Index	10 days	AOCS Ba 10-65+AOAC 990.03
<b>ISO</b>	Sulfur	4 days	<b>MA# 20 ACCREDITED</b> Ref:AOAC 990.03, by COMBUSTION METHOD WITH LECO TRUMAC CNS
	In-vitro kinetics of Protein	15 days	10-IRC-SOP-0066 rev.00-Nutreco and <b>MA# 20</b> Ref:AOAC 990.03, by COMBUSTION METHOD WITH LECO TRUMAC CNS

AMINO ACIDS	Turn Around Time	METHOD
Amino Acids Package (Excluding Tryptophan)	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Alanine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Arginine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Aspartic Acid	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Cystine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Glutamic Acid	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Glycine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Histidine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Hydroxyproline	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Isoleucine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Leucine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Lysine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Methionine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Phenylalanine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Proline	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Serine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Taurine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Threonine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Tryptophan	15 days	<b>MA# 71</b> Ref:Method 13.7.2000 "Determination of tryptophan"Source: Official Journal of the European Communities L 174/45
Tyrosine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD
Valine	15 days	<b>MA# 59</b> Ref: ACQUITY UPLC METHOD

ORGANIC ACIDS	Turn Around Time	METHOD
Acetic Acid	10 days	<b>MA# 58</b> Ref: MasterLab
Acetic Acid (in meats)	15 days	<b>MA# 55</b> Purac : Quantification of citric-malic-acetic-and lactic acid using HPLC
Butiric Acid	10 days	<b>MA# 58</b> Ref: MasterLab
Citric Acid	10 days	<b>MA# 93</b> Ref: JEFO METHOD

Formic Acid	10 days	MA# 58 Ref: MasterLab
Fumaric acid	10 days	MA# 93 Ref: JEFO METHOD
Iso-Butiric Acid	10 days	MA# 58 Ref: MasterLab
Iso-Valeric Acid	10 days	MA# 58 Ref: MasterLab
Lactic Acid	10 days	MA# 58 Ref: MasterLab
Lactic Acid (in meats)	15 days	MA# 55 Purac : Quantification of citric-malic-acetic-and lactic acid using HPLC
Malic acid	10 days	MA# 93 Ref: JEFO METHOD
Orthophosphoric acid	10 days	MA#101 Ref:AOAC 958.01, Phosphorus (Total) in Fertilizers, spectrophotometric Molybdovanado phosphate METHODE
Propionic acid	10 days	MA# 58 Ref: MasterLab
Sorbic Acid	10 days	MA# 94 PAR HPLC. JEFO METHOD
Valeric Acid	10 days	MA# 58 Ref: MasterLab
Package Tetracide (coated products)	10 days	MA# 93 Ref: JEFO METHOD
Package Volatile Fatty acid (forages)	10 days	MA# 58 Ref: MasterLab
Package Citric, Malic and Fumaric	10 days	MA# 93 Ref: JEFO METHOD

MIXING TEST	Turn Around Time	METHOD
Mixing Test Chloride 9	10 days	MA# 07 Ref: AOAC 969.10
Mixing Test Chloride 10	10 days	MA# 07 Ref: AOAC 969.10
<i>ISO</i> Mixing Test Sodium 9	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i> Mixing Test Sodium 10	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i> Mixing Test Sodium 11	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i> Mixing Test Copper 9	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i> Mixing Test Iron 9	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i> Mixing Test Manganese 9	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i> Mixing Test Phosphorus 9	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i> Mixing Test Calcium 9	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i> Mixing Test Calcium 10	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i> Mixing Test Zinc 9	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i> Mixing Test Zinc 10	10 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
Mixing Test Phytase (Quantum Blue)	10 days	MA# 84 Ref: METHODE ELISA , Quantiplate Kits for Quantum Blue® (AP181)
Mixing Test Phytase (Ronozyme)	10 days	MA# 104 Ref: Determination of phytase activity, TMAS V.4 (2016-01-14)
<i>ISO</i> Mixing Test Crude fat 9	4 days	MA# 78 ACCREDITED Ref: AOCS official procedure Am 5-04
<i>ISO</i> Mixing Test Protein 9	4 days	MA# 20 ACCREDITED Ref:AOAC 990.03, by COMBUSTION METHOD WITH LECO TRUMAC CNS

DRUGS	Turn Around Time	METHOD
Microtracer	5 days	MA# 83 Ref:Elanco method
<i>ISO</i> Medication Scan LC-MSMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Amprolium LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Chlortetracycline LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Clopidol LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Lincomycin LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Monensin LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Narasin LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Nicarbazin LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Oxytetracycline LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Penicillin LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Ractopamine LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Salinomycin LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Sulfadiazine LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Sulfamethazine LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Tylosin LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Virginiamycin LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Decoquinat LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Robenidin LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Tiamuline LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
<i>ISO</i> Tilmicosin LCMS	5 days	MA#102 ACCREDITED Réf: AOAC 2006.01, Waters. Application Note
Avilamycin (Surmax) - LC	5 days	MA# 67 Ref: Elanco Laboratory Procedure for Method B13342 v. 02 and B13341 v. 02
Lasalocid Sodium - LC	5 days	MA# 70- Ref. Method: 6.8.199 «Determination of lasalocid sodium». Source: Official Journal of the European Communities L 207/14.
Maxiban (Narasin) - LC	5 days	MA# 48 Ref:AOAC 2006.01. And Elanco Laboratory Procedure for Method B01981
Monteban (Narasin) - LC	5 days	MA# 48 Ref:AOAC 2006.01. And Elanco Laboratory Procedure for Method B01981
Pulmotil - LC	5 days	MA# 51 Ref:Elanco Laboratory Procedure for Ractopamine Method
Ractopamine - LC	5 days	MA# 51 Ref:Elanco Laboratory Procedure for Ractopamine Method
<i>ISO</i> Rumensin/Coban - LC	5 days	MA# 48 ACCREDITED Ref:AOAC 2006.01 And Elanco Laboratory Procedure for Method B01981

FAT	Turn Around Time	METHOD
<i>ISO</i> Crude Fat	4 days	MA# 03 ACCREDITED Ref:Ba 3-38, American Oil Chemists Society official Method
<i>ISO</i> Crude Fat (Ankom)	4 days	MA# 78 ACCREDITED Ref: AOCS official procedure Am 5-04
<i>ISO</i> Crude Fat (Acid Hydrolysis)	4 days	MA# 04: ACCREDITED Ref: AOAC 922.06, AOAC 989.05, AOAC 995.19

<i>ISO</i>	Fatty Acid Profile	10 days	<b>MA# 21: ACCREDITED</b> Ref:Official Methods of Analysis, AOAC 996.06
<i>ISO</i>	Lipids in eggs	10 days	<b>MA# 21: ACCREDITED</b> Ref:Official Methods of Analysis, AOAC 996.06

ANIMAL FAT and OILS	Turn Around Time	METHOD
Anisidine	10 days	<b>MA#106</b> Ref: AOCS Official Method Cd 18-90
Colour	10 days	Ref: Laboratory Handbook for oil and fat analysts. By L.V Cocks and C. Van Rede
Ethoxyquin	10 days	<b>MA# 83</b> Ref: AOAC Official Method 996.13 (by HPLC)
Free Fatty Acid (fat and oils)	10 days	<b>MA# 110</b> Ref: AOCS Official Method Ca 5a-40
Free Fatty Acid (feed)	10 days	<b>MA# 105</b> Ref: Free Fatty Acid test kit (FASafe)
<i>ISO</i> Insoluble Impurities	10 days	<b>MA# 75 ACCREDITED</b> Ref: AOCS Ca 3a-46, Ca 2d-25
Iodine Value	10 days	<b>MA# 91</b> Ref: AOCS Cd 1d-92 AND AOCS Cd 1-25 or <b>MA#21</b>
Malonaldehyde (TBA)	10 days	<b>MA# 81</b> Ref:SAFTEST Method
Moisture and Volatile Matter	10 days	Ref: AOCS Official Method Ca 2d-25
Peroxide value (fat and oils)	10 days	<b>MA# 82</b> Ref: AOCS Official Method Cd 8-53
Peroxide value (feed)	10 days	<b>MA# 80</b> Ref: Safetest

FIBERS	Turn Around Time	METHOD
<i>ISO</i> ADF Hot Plate	4 days	<b>MA# 10: ACCREDITED</b> Ref: AOAC 973.18
<i>ISO</i> ADF Ankom	4 days	<b>MA# 43 ACCREDITED</b> AOAC 973.18, and Method for determining ADF, Ankom technology
<i>ISO</i> NDF Hot Plate	4 days	<b>MA# 09: ACCREDITED</b> Ref: National Forage Testing Association. "Forage Analysis procedures" method 5.1
<i>ISO</i> NDF Ankom	4 days	<b>MA# 56 ACCREDITED</b> Ref: Method for Determining (a-NDF), Ankom technology
<i>ISO</i> NDF ash free	4 days	<b>MA# 09: ACCREDITED</b> Ref: National Forage Testing Association. "Forage Analysis procedures" method 5.1
Lignine ADL	10 days	<b>MA #79</b> , Ref:Method 9 – determining Acid Detergent Lignin in DaisyII Incubator, Ankom technology – 1/24/17
<i>ISO</i> Crude Fiber	4 days	<b>MA# 45 ACCREDITED</b> Ref: AOCS Ba 6a-05 and Méthode Ankom: Filter Bag Technique
<i>ISO</i> Soluble Fiber (Insoluble Fiber+Total Dietary Fiber)	10 days	<b>MA# 24: ACCREDITED</b> Ref: AOAC 991.43
<i>ISO</i> Insoluble Fiber	10 days	<b>MA# 24: ACCREDITED</b> Ref: AOAC 991.43
<i>ISO</i> Total Dietary Fiber	10 days	<b>MA# 24: ACCREDITED</b> Ref: AOAC 991.43

VITAMINS	Turn Around Time	METHOD
<i>ISO</i> Vitamin A	10 days	<b>MA# 13 ACCREDITED</b> Ref: AOAC. Official Method 992.04, by chromatography and assayed using a UV detector
<i>ISO</i> Retinol	10 days	<b>MA# 13 ACCREDITED</b> Ref: AOAC. Official Method 992.04, by chromatography and assayed using a UV detector
<i>ISO</i> Vitamin A (Premix)	10 days	<b>MA# 13 ACCREDITED</b> Ref: AOAC. Official Method 992.04, by chromatography and assayed using a UV detector
<i>ISO</i> Beta-carotene	10 days	<b>MA# 13 ACCREDITED</b> Ref: Journal of AOAC Int., Vol. 87, N° 5. By chromatography and assayed using a UV detector.
<i>ISO</i> Vitamin C	10 days	<b>MA# 39 ACCREDITED</b> by liquid chromatography with UV detection

	Vitamine D3 (Micro and supplement)	10 days	<b>MA# 108:</b> DMS-Determination of 25-hydroxy vitamine D3 in premixes
	Vitamine D3 25OH(Micro and supplement)	10 days	<b>MA# 108:</b> DMS-Determination of 25-hydroxy vitamine D3 in premixes
<i>ISO</i>	Vitamin E	10 days	<b>MA# 13 ACCREDITED</b> Ref: AOAC 992.04. By liquid chromatography and assayed using a UV detector
<i>ISO</i>	Vitamin E (eggs)	10 days	<b>MA# 13 ACCREDITED</b> Ref: AOAC 992.04. By liquid chromatography and assayed using a UV detector
	Package Vitamine D LCMS (1.25 + 25OH)	10 days	<b>MA# 108:</b> DMS-Determination of 25-hydroxy vitamine D3 in premixes
	Package Vitamine D LCMS (D3 + 25OH)	10 days	<b>MA# 108:</b> DMS-Determination of 25-hydroxy vitamine D3 in premixes

	SUGARS	Turn Around Time	METHOD
<i>ISO</i>	<b>Total Sugar</b> (Fructose, Glucose, Lactose, Maltose, Sucrose, Total sugars)	10 days	<b>MA# 40 ACCREDITED</b> Ref: AOAC Official Method 980.13, 982.14 and E. Bugner, M. Feinberg, Journal of AOAC International, vol. 75 (3), 1992, p. 443
<i>ISO</i>	Fructose	10 days	<b>MA# 40 ACCREDITED</b> Ref: AOAC Official Method 980.13, 982.14 and E. Bugner, M. Feinberg, Journal of AOAC International, vol. 75 (3), 1992, p. 443
<i>ISO</i>	Glucose	10 days	<b>MA# 40 ACCREDITED</b> Ref: AOAC Official Method 980.13, 982.14 and E. Bugner, M. Feinberg, Journal of AOAC International, vol. 75 (3), 1992, p. 443
<i>ISO</i>	Lactose	10 days	<b>MA# 40 ACCREDITED</b> Ref: AOAC Official Method 980.13, 982.14 and E. Bugner, M. Feinberg, Journal of AOAC International, vol. 75 (3), 1992, p. 443
<i>ISO</i>	Maltose	10 days	<b>MA# 40 ACCREDITED</b> Ref: AOAC Official Method 980.13, 982.14 and E. Bugner, M. Feinberg, Journal of AOAC International, vol. 75 (3), 1992, p. 443
<i>ISO</i>	Sucrose	10 days	<b>MA# 40 ACCREDITED</b> Ref: AOAC Official Method 980.13, 982.14 and E. Bugner, M. Feinberg, Journal of AOAC International, vol. 75 (3), 1992, p. 443
	Ethanol Soluble Carbohydrates (ESC)	10 days	<b>MA# 64:</b> European Economic Community EEC Méthode no 17

	MYCOTOXINS	Turn Around Time	METHOD
<i>ISO</i>	Deoxynivalenol (DON)	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	Acetyl-Deoxynivalenol	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	Zearalenone	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	T-2 toxin	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	HT-2 toxin	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	Deoxynivalenol-3-glucoside	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	Aflatoxin B1	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	Aflatoxin B2	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	Aflatoxin G1	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	Aflatoxin G2	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	Fumonisin B1	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	Fumonisin B2	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
<i>ISO</i>	Ochratoxin A	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco

ISO	Basic Package (Deoxynivalenol (DON), Acetyl-Deoxynivalenol, Zearalenone, T2, HT-22)	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
ISO	Complete Package (Pkg base + Deoxynivalenol-3-glucoside, Aflatoxins B1, B2, G1, G2, Fumonisin B1 and B2, Ochratoxin A)	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco
ISO	Pet Food packaging (Deoxynivalenol (DON), Acetyl-Deoxynivalenol, Aflatoxins B1, B2, G1, G2)	2 days	<b>MA#107 ACCREDITED:</b> Mycotoxins by LCMSMS-Romer , Labs, Quantitative Determination of Mycotoxins-Waters, DMS-70861-Nutreco

	NUTRITIONAL LABELING	Turn Around Time	METHOD
ISO	<b>Package Nutritional Labelling</b> :Total Dietary Fiber, fatty acid profile, cholesterol, minerals, sugars, moisture, protein, Vitamin A, Beta Carotene, Vitamin C, ash	10 days	MA#24, MA#21, MA#17, MA#08, MA#48, MA#13, MA#39, MA#06, MA#20, MA#12
ISO	<b>Package Nutritional Labelling - No Vit</b> :Total Dietary Fiber, fatty acid profile, cholesterol, minerals, sugars, moisture, protein, ash	10 days	MA#24, MA#21, MA#17, MA#08, MA#48, MA#06, MA#20, MA#12

	PHYSICAL TEST	Turn Around Time	METHOD
	Density	5 days	<b>MA# 95</b> Ref: JoVE Science Education, Determining the density of a liquid. JoVE, Cambridge, MA, (2019)
	Durability	5 days	<b>MA# 62</b> Ref: ANSI/ASAE S 319.3 JUL 97, Kansas State University, ASAE S-269.3 (ASAE 2003) and Manuel instruction NHP 100 HOLMEN
	Fine Percentage	5 days	<b>MA# 62</b> Ref: ANSI/ASAE S 319.3 JUL 97, Kansas State University, ASAE S-269.3 (ASAE 2003) and Manuel instruction NHP 100 HOLMEN
	Sieve Dairy	5 days	<b>MA# 54</b> Ref: ANSI/ASAE S319.3, February 2003 and Evaluating Particle Size, Kansas State University, MF-2051, May 2002.
	Sieve KSU	5 days	<b>MA# 54</b> Ref: ANSI/ASAE S319.3, February 2003 and Evaluating Particle Size, Kansas State University, MF-2051, May 2002.
	Specific Weight	5 days	<b>MA# 60</b> Ref: Determination of specific weight, Chapter 1, Official Grains Grading Guide, Canadian Grains Commission

	VARIA	Turn Around Time	METHOD
	Angle of repose	10 days	
	Astaxanthin	10 days	<b>MA# 53</b> Ref:Canthaxanthin, and Astaxanthin in Animal Feeds Using UPLC, Journal of Chromatographic Science
	Brix degrees	4 days	<b>MA# 11</b> Ref:AOAC 932.14 (Solids in syrup)
	Buffer capacity	10 days	<b>MA# 100</b> Ref: JEFO METHOD
	Calcium solubility	10 days	<b>MA# 86</b> Ref: Feedstuffs, december 25, 1989. Nutrition and Health
	Canthaxanthin	10 days	<b>MA# 53</b> Ref:Canthaxanthin, and Astaxanthin in Animal Feeds Using UPLC, Journal of Chromatographic Science
	Chloride	5 days	<b>MA# 07</b> Ref: AOAC 969.10
ISO	Cholesterol	10 days	<b>MA# 17 ACCREDITED</b> Ref: AOAC 994.10, Cholesterol in foods
	Gelatinised Starch	5 days	<b>MA# 44</b> Ref:AACC Method 76.13, AOAC Method 996.11 and ICC Std Méthode N 168
	pH Forrages and feeds	2 days	<b>MA# 37</b> Ref: AACC, Hydrogen-Ion Activity (pH) – Electrometric Method, 02-52.01
	Phytase (Quantum Blue)	10 days	<b>MA# 84</b> Ref: By an ELISA method, using the Quantiplate Kits for Quantum Blue® ELISA method (AP181)
	Phytase (Ronozyme)	10 days	<b>MA# 104</b> Ref: Determination of phytase activity, TMAS V.4 (2016-01-14)
	Phytates	15 days	Réf: Megazyme : Measured as phosphorus released by phytase and alkaline phosphatase (K-PHYT)
	Smell	4 days	

Starch	5 days	MA# 44 Ref:AACC Method 76.13, AOAC Method 996.11 and ICC Std Méthode N 168
Titratable Acidity	5 days	
Trypsin Inhibitor Activity	10 days	MA# 77 Ref:AOCs Official Method Ba 12-75
Urease Activity	10 days	MA# 28 Ref: AOCS Official Method Ba 9-58
Package Soya (Dry matter before grinding, Dry matter, Protein, Crude fiber)	4 days	MA# 72, MA# 02, MA# 45
Trypsin Inhibitor Activity (Anti-tryptic activity, ankom fat)	10 days	MA# 77, MA# 78
Package Duo Pack (NIR, DM 60, XRF(Ca,P,Na,Mg,K,Cu,Mn,Zn, Cl, S, Fe))	4 days	MA#76, MA#19, MA#112
Package RTM (DM 60, ADF_NIR, PR wet chem, XRF(Ca,P,Na,Mg,K, Cu, Fe, Mn, Zn Cl, S))	4 days	MA#19, MA#76, MA#20, MA#112
Package Wet Chem. (DM 60, Pr wet chem., ADF wet chem., Mineral wet chem.(Ca, P, Na Mg, K), NIR)	4 days	MA#19, MA#20, MA# 10, MA#08, MA#76
Package Wet Grain(DM 60, Pr chimie humide, ADF chimie humide, Minéraux chimie humide(Ca, P, Na Mg, K), CN, NDF, ADFN, MS104, NIR)	4 days	MA#19, MA#20, MA# 10, MA#08, MA#12, MA#5, MA#43 et MA#76

MICROBIOLOGICAL ANALYSES		Turn Around Time	METHOD
ISO	Total coliforms - Count	1-2 days	<b>MFHPB-35 ACCREDITED</b> Ref: HPB Compendium of Analytical Methods for the Microbiological Analysis of Foods-Health Canada
ISO	Fecal coliforms	1-2 days	<b>MFHPB-35 ACCREDITED</b> Ref: HPB Compendium of Analytical Methods for the Microbiological Analysis of Foods-Health Canada
ISO	Total aerobic bacteria - Count	2 days	<b>MFHPB-33 ACCREDITED</b> Ref: HPB Compendium of Analytical Methods for the Microbiological Analysis of Foods-Health Canada
ISO	<i>Escherichia coli</i>	1-2 days	<b>MFHPB-34 ACCREDITED</b> Ref: HPB Compendium of Analytical Methods for the Microbiological Analysis of Foods-Health Canada
ISO	Enterobacteriaceae - Count	24 h	<b>MFLP-09 ACCREDITED</b> Ref: HPB Compendium of Analytical Methods for the Microbiological Analysis of Foods-Health Canada
ISO	<i>Salmonella spp.</i> - detection	2 days	<b>MFLP-49 ACCREDITED</b> Ref: HPB Compendium of Analytical Methods for the Microbiological Analysis of Foods-Health Canada
ISO	<i>Salmonella spp.</i> - confirmation	3 - 6 days	<b>MFHPB-20 ACCREDITED</b> Ref: HPB Compendium of Analytical Methods for the Microbiological Analysis of Foods-Health Canada
ISO	Yeasts - Count	7 days	<b>MFHPB-32 ACCREDITED</b> Ref: HPB Compendium of Analytical Methods for the Microbiological Analysis of Foods-Health Canada
ISO	Molds - Count	7 days	<b>MFHPB-32 ACCREDITED</b> Ref: HPB Compendium of Analytical Methods for the Microbiological Analysis of Foods-Health Canada

## WATER ANALYSES

BACTERIOLOGICAL WATER ANALYSES		Turn Around Time	METHOD
	Atypical Colonies	2 days	MA# 103 Ref: Millipore Sigma instructions
	<i>Enterococci</i>	2 days	MA# 103 Ref: Millipore Sigma instructions
	<i>Escherichia coli</i>	2 days	MA# 103 Ref: Millipore Sigma instructions
	Fecal <i>streptococci</i>	2 days	MA# 103 Ref: Millipore Sigma instructions

Heterotrophic plate count	2 days	MA# 103 Ref: Millipore Sigma instructions
Molds (density)	2 days	MA# 103 Ref: Millipore Sigma instructions
<i>Pseudomonas spp.</i> (genus)	2 days	MA# 103 Ref: Millipore Sigma instructions
<i>Pseudomonas spp.</i> (genus) - confirmation	2 days	MA# 103 Ref: Millipore Sigma instructions
<i>Pseudomonas aeruginosa</i>	2 days	MA# 103 Ref: Millipore Sigma instructions
<i>Pseudomonas aeruginosa</i> -confirmation	2 days	MA# 103 Ref: Millipore Sigma instructions
Fecal coliforms	2 days	MA# 103 Ref: Millipore Sigma instructions
Total coliforms	2 days	MA# 103 Ref: Millipore Sigma instructions
Yeasts	2 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 1</b> (Total Coliform, Fecal Coliform, Fecal streptococci)	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 2</b> (Total Coliform, Fecal Coliform, <i>E. Coli</i> )	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 3</b> (Total Coliform, Fecal Coliform, Fecal streptococci, <i>E. Coli</i> )	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 4</b> (Total Coliform, Fecal Coliform, Fecal streptococci, HPC)	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 5</b> (Total Coliform, Fecal Coliform, Fecal streptococci, <i>E. Coli</i> , HPC)	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 6</b> (Total Coliform, <i>E.Coli</i> )	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 7</b> (Total Coliform, Fecal Coliform, Atypical Colonies, <i>Pseudomonas spp.</i> (genus) )	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 8</b> (Total Coliform, Fecal Coliform)	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 9</b> (Total Coliform, Fecal streptococci, <i>E. Coli</i> )	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 10</b> (Total Coliform, E.Coli, <i>Enterococci</i> , Atypical Colonies)	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water 11</b> (Total Coliform, <i>Enterococci</i> , BHAA)	7 days	MA# 103 Ref: Millipore Sigma instructions
<b>Package Water CQM</b> ( <i>E. Coli</i> , total coliforms, <i>Enterococcus</i> )	7 days	MA# 103 Ref: Millipore Sigma instructions

CHEMICAL WATER ANALYSES	Turn Around Time	METHOD
Alkalinity	5 days	MA# 98 Ref: STD Methods for the examination of water and wastewater, APHA-AWWA-WPCF
ISO Calcium in water	5 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
Chloride	5 days	MA# 97 Ref: STD Methods for the examination of water and wastewater, APHA-AWWA-WPCF
Conductivity	5 days	Ref: STD Methods for the examination of water and wastewater, APHA-AWWA-WPCF
ISO Copper in Water	5 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
Hardness (Ca, Mg)	5 days	MA# 08 Ref: AOAC 985.35, 984.27, 968.08
ISO Manganese in water	5 days	MA# 08 ACCREDITED Ref: AOAC 985.35, 984.27, 968.08
Nitrates in water	5 days	MA# 90 American Public Health Association & AI, Standard methods for the examination of water and wastewater, 18th. Ed, 1992, section 4500-NO3- Nitrogen(Nitrates) A et B, p4-87,4-88
Nitrites in water	5 days	MA# 36 Ref: APHA, Std Methods, Method 4500-NO2- B – 2000 and USEPA Methods for Chemical Analysis of Water and Wastes, Method 354.1
Peroxide in water	5 days	
pH (water)	5 days	Ref: STD Methods for the examination of water and wastewater, APHA-AWWA-WPCF

	Phenol Comp in water	5 days	<b>MA# 88</b> Ref:Phenols-CHEMets® Visual Kit
	Phosphates in water	5 days	<b>MA# 35</b> Ref: APHA, Std Methods, p 4-1147, method 4500 P-d
<i>ISO</i>	Phosphorus in water	5 days	<b>MA# 08 ACCREDITED</b> Ref: AOAC 985.35, 984.27, 968.08
<i>ISO</i>	Potassium in water	5 days	<b>MA# 08 ACCREDITED</b> Ref: AOAC 985.35, 984.27, 968.08
	Selko Prohydro	5 days	<b>MA# 85</b> Ref: Selko feed additives
	Selko S	5 days	<b>MA# 85</b> Ref: Selko feed additives
	Sulfates in water	5 days	<b>MA# 33</b> Ref: Official Methods of Analysis, A.O.A.C, 973.57
	Total Sulfides	5 days	<b>MA# 89</b> Sulfide Test Kit-CHEMets® Visual Kit
	Total Dissolved Solids	5 days	<b>MA# 34</b> -Ref: STD Methods for the examination of water and wastewater, APHA-AWWA-WPCF
<i>ISO</i>	Zinc in water	5 days	<b>MA# 08 ACCREDITED</b> Ref: AOAC 985.35, 984.27, 968.08
	<b>Package Water Chemical</b> (hardness, Ca, Mg, Na, Alkalinity, Cl, Solids, Fe, Sulfates, pH)	7 days	MA# 08, MA# 98, MA# 07, MA# 34, MA# 33
	Package Hardness	5 days	<b>MA# 08</b> _Ref: AOAC 985.35, 984.27, 968.08