



# POS Bio-Sciences

118 Veterinary Road, Saskatoon,  
Saskatchewan, S7N 2R4, CANADA

For Office Use Only		
Condition at Receipt	Acceptable	Compromised
POS Sample Numbers		

Contact Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Postal Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Total No. samples submitted: \_\_\_\_\_

Invoice Address, if different:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Purchase Order No: \_\_\_\_\_

Quote received: Yes  No

**Priority:** **Surcharge**  
 ▶ Standard (10 working days): None   
 ▶ Rush (4 working days): 75%   
 ▶ Priority Rush (2 working days): 100%  (by prior arrangement only)

**Final reports (PDF Format) will be distributed by E-mail**

Signed reports are available at an additional charge. Please indicate if hardcopy report(s) are required

Sample Description(s):

PROXIMATE ANALYSES	X	FAT COMPOSITION	X
Proximate Analyses package includes: Ash, Oil Content (Swedish Tube), Moisture, Protein, Carbohydrate (Calculated)		Cholesterol	
		Erucic Acid	
		Fatty Acid Analysis on Oil (select reporting units):	
		Profile (% Relative)	
		Composition mg/g Oil (Specify)	
<b>MOISTURE</b>		(mg FA/g Oil)	
Moisture (ISO)		(mg TG/g Oil)	
Moisture & Volatiles (Oil) (Specify Method Reference <sup>A</sup> )		(mg ME/g Oil)	
(Required Method)		(mg EE/g Oil)	
Moisture (Soybean)		Trans Fatty Acids (geometric)	
Moisture (Seed/meal)		Profile (% relative)	
Moisture Karl Fischer (Oil)		Composition (mg FA/g Oil)	
<b>Colour</b>		Trans Fatty Acids (positional)	
Lovibond Tintometer (AOCS RY, Lovibond RYBN,		Profile (% relative)	
Gardner, CIE L*a*b*, FAC Standard Color,		Composition (mg FA/g Oil)	
Pt-Co/Hazen/APHA, beta-Carotene)			
<b>Specify Scale:</b>		<b>FAT QUALITY</b>	<b>X</b>
Hunterlab – Solid Samples		Acetone-Insoluble Matter in Lecithin	
Hunterlab – In Solution		Acid Value (Calculated)	
<b>Specify Scale:</b>		Anisidine Value	
Chlorophyll in oil		Cloud Point	
Chlorophyll in oilseeds		Cold Test	
Saponification Colour		Density (Mass/Unit Volume in Air)	
Gardner Colour in Lecithin		DOBI & Carotene (Palm Oil)	
<b>OIL CONTENT</b>		Flash Point (AOCS)	
Capsule Fill Weight		Flash Point (Instrumental Method)	
Crude Fat (Acid Hydrolysis)		Flash Point & Smoke Point (AOCS)	
Milk Fat		Free Fatty Acid	
Oil Content (Butt Tube)		Free Fatty Acid (Micro)	
Oil Content (Butt Tube, Seeds)		γ-oryzanol	
Oil Content (Swedish Tube)			
Fat in Egg			

<sup>A</sup> Refer to the price list for available options in this category

### SAMPLE SUBMISSION FORM – Continued

FAT QUALITY (Continued)	X	FIBRE ANALYSES	X
Glycerol (Free) by GC		Crude	
Glycerol (Total)		Soluble & Insoluble	
Glycolipids (MGDG, DGDG & SG)		Total Dietary	
Hexane Insoluble Matter		Acid Detergent	
Insoluble Impurities		Acid Detergent and Lignins	
Iodine Value		Neutral	
Mettler Dropping Point		<b>ADDITIONAL ANALYSIS</b>	<b>X</b>
Mineral Paraffins in Edible Oil		Anthocyanins (Total)	
Mono & Diglycerides		Anthocyanins Profile (HPLC)	
Neutral Oil		Anthocyanidins Profile (HPLC)	
OSI (Rancimat) @ _____ °C		Ash	
Oxidized and Polymerized Triglycerides		Astaxanthin (by UV-Vis)	
Peroxide Value		Beta Glucan (1,3 & 1,4 linkages)	
Phospholipids Profile		Beta Glucan (1,3 & 1,6 linkages)	
Polar Compounds (Total)		Bulk Density in Powders (Untapped)	
Refractive Index @ _____ °C		Carotenoids Profile	
Saponification Value		Carotenoids Profile and/or Lycopene	
Smoke Point (AOCS)		Cyanogenic Compounds Profile in Flax	
Soaps		Essential Oils	
Specific Gravity @ _____ °C		Ginsenosides Profile (HPLC)	
Sterols & Tocopherols Profile (GC)		Glucosinolates Profile (GC)	
Tocopherols Profile (HPLC)		Glucosinolates Profile (GC), at 8.5% Moisture	
Tocotrienols Profile		Isoflavones	
Unsaponifiable Matter (Non-Marine Oil)		Lipoxygenase Activity	
Unsaponifiable Matter (Marine Oil)		Melting Point (or Range)	
Viscosity (Brookfield Synchro-lectric) @ _____ °C		Myrosinase Activity	
Viscosity (Cannon-Manning) @ _____ °C		Particle Size	
Wax Content		Phenolic Compound Profile (Berries)	
<b>ANTIOXIDANTS</b>	<b>X</b>	Phenolic Compound Profile (Citrus)	
Antioxidant Activity (ABTS)		Polyphenols (Total)	
Ascorbyl Palmitate		Residual Solvents GC/MS - <b>List solvents:</b>	
BHA    BHT    TBHQ    Propyl Gallate <b>Indicate as required</b>			
Citric Acid			
Ethoxyquin			
Tocopherol Acetate		SDG (Secoisolariciresinol Diglucoside)	
<b>PROTEINS</b>	<b>X</b>	Squalene/Squalane	
Amino Acid Profile (18 primary)		Starch (Resistant)	
Amino Acid Profile (15 primary)		Starch (Resistant and Total)	
Amino Acids Free		Starch (Total)	
Amino Acids Free + Tryptophan		Steroidal Sapogenins (Total) by Spec	
KOH Protein Solubility		Steroidal Sapogenins (GC)	
Nitrogen Solubility Index (NSI)		Sulforaphane	
PDI (Protein Dispersibility Index)		Trypsin Inhibitor	
Protein		Urease Activity	
Taurine		Water Hydration Capacity	
<b>SUGARS</b>	<b>X</b>	<b>ELEMENTAL ANALYSIS</b>	<b>X</b>
Total Soluble (Refractometer)		<b>List Elements:</b>	
Sugar Profile (HPLC)			

**SPECIAL INSTRUCTIONS:** \_\_\_\_\_

Date Submitted: \_\_\_\_\_

Date Received: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Received By: \_\_\_\_\_