

SpectraStar XT-R Calibration Library V1.1

April 2021

	Chocolate				
Substance	Constituents	Sampling Accessories			
Chocolate	Fat, Moisture, Sugar, Lactose	US-ISIH-0307 Ring cup			
Cocoa Beans	Moisture	US-LGOP-0001 Large Open Cup with plunger			
Cocoa Butter	Iodine Value (IV), FFA	US-LIQK-0003 Liquid Sampling Kit (.5 mm)			
Cocoa Liquor	Fat, Moisture	US-ISIH-0307 Ring cup			
Cocoa Nibs	Moisture	US-LGOP-0001 Large Open Cup with plunger			
Cocoa Powder	Fat, Moisture	US-LGOP-0001 Large Open Cup with plunger			
	Dairy				
Substance	Substance Constituents Sampling Accessories				
Butter - Salted	Solids, Fat, Salt	US-ISIH-0307 Ring cup			
Butter - Unsalted	Solids, Fat	US-ISIH-0307 Ring cup			
Cheese - Cheddar	Solids, Fat, Salt, pH	US-LGOP-0001 Large Open Cup with plunger			
Ice Cream Mix	Solids, Fat	US-SRCP-0025 Small Round Cup, 25 MM Height			
Infant Formula Powder	Moisture, Protein, Fat	US-LGOP-0001 Large Open Cup with plunger			
Liquid Whey	Protein, Solids, Fat	US-LIQK-0003 Liquid Sampling Kit			
Liquid WPC	Protein, Solids	US-LIQK-0003 Liquid Sampling Kit			
MPC 56	Moisture, Fat, Protein	US-LGOP-0001 Large Open Cup with plunger			
MPC 70	Moisture, Fat, Protein	US-LGOP-0001 Large Open Cup with plunger			
Processed Cheese	Moisture, Fat, Salt, pH	US-ISIH-0307 Ring cup			
Skim Milk Powder	Moisture, Protein, Fat, Lactose	US-LGOP-0001 Large Open Cup with plunger			
Cheese - Various	Moisture, Fat, Salt, pH	US-LGOP-0001 Large Open Cup with plunger			
Whole Milk Powder	Moisture, Protein, Fat, Lactose	US-LGOP-0001 Large Open Cup with plunger			
WPC Powder	Moisture, Fat, Protein	US-LGOP-0001 Large Open Cup with plunger			
	Feed				
Substance	Constituents	Sampling Accessories			
Feed - General	Moisture, Protein, Fat, Fiber, Ash, Ca, P, NaCl	US-LGOP-0001 Large Open Cup with plunger			
Feed - Poultry	Moisture ,Protein, Fat, Fiber, Ash, Ca, P, Cl, Met, Cys,Met+Cys	US-LGOP-0001 Large Open Cup with plunger			
Feed - Swine	Moisture, Protein, Fat, Fiber, Ash, Ca, P, Lysine, NaCl	US-LGOP-0001 Large Open Cup with plunger			
	Flour and Milling				
Substance	Constituents	Sampling Accessories			
Flour - Clear	Moisture, Protein, Ash, Alveo P, Alveo W, Color B, Water ABS, Dev Time	US-LGOP-0001 Large Open Cup with plunger			
Wheat - Ground	Moisture, Protein	US-LGOP-0001 Large Open Cup with plunger			
Flour - Hard Wheat	Moisture, Protein, Ash, Alveo P, Alveo W, Color B, Water ABS, Dev Time	US-LGOP-0001 Large Open Cup with plunger			
Flour - Soft Wheat	Moisture, Protein, Ash, Alveo P, Alveo W, Color B, Water ABS, Dev Time	US-LGOP-0001 Large Open Cup with plunger			
Wheat Midds	Moisture, Protein, Fat, Fiber, Ash	US-LGOP-0001 Large Open Cup with plunger			
Wheat Seeds	Moisture, Protein	US-LGOP-0001 Large Open Cup with plunger			
	Forage				
Substance	Constituents	Sampling Accessories			
Hay - Alfalfa	Moisture, DM, Protein, ADF, NDF, Fat, P, Ca, K, Mg, dNDF48, Ash, Lignin, DP, ADP	US-ISIH-0307 Ring cup			
Corn Silage	Moisture, DM, Protein, ADF, NDF, Fat, Ash, Starch, Ca, P, K, Mg	US-ISIH-0307 Ring cup			
Hay - Grass	Moisture, DM, Protein, ADF, NDF, Fat, P, Ca, K, Mg, dNDF8, Ash, Lignin, DP, ADP	US-ISIH-0307 Ring cup			
Hay - Mixed	Moisture, DM, Protein, ADF, NDF, Fat, P, Ca, K, Mg, dNDF48, Ash, Lignin, DP, ADP	US-ISIH-0307 Ring cup			
	Olives				
Substance	Constituents	Sampling Accessories			
Olives - Crushed	Moisture, Oil	US-LGOP-0001 Large Open Cup with plunger			
Olive Oil	Acidity, PV, K270, K232, DK, ST, PA, HE, HA, OL, PA, LN, LI, AR,TS	US-LIQK-0003 Liquid Sampling Kit			
Olive Pommace	Moisture, Oil	US-LGOP-0001 Large Open Cup with plunger			
	Others				
Substance	Constituents	Sampling Accessories			
	Protein, Fat, Carbohydrate, Calculated Calories	US-LIQK-0003 Liquid Sampling Kit			
Neonatal Milk					
Petfood Dry Kibbles	Moisture, Protein, Fat, Fiber, Ash	US-LGOP-0001 Large Open Cup with plunger			

















Raw material				
Substance	Constituents	Sampling Accessories		
Bakery by-Product	Moisture, Protein, Fat, Fiber, Ash	US-LGOP-0001 Large Open Cup with plunger		
Barley	Moisture, Protein, Fat, Fiber, Starch, Ins Fiber	US-LGOP-0001 Large Open Cup with plunger		
Canola Flakes	Oil	US-LGOP-0001 Large Open Cup with plunger		
Canola Meal	Moisture, Protein, Oil, Fiber	US-LGOP-0001 Large Open Cup with plunger		
Corn	Moisture, Protein, Fat, Fiber, Ash, NDF, ADF, Starch	US-LGOP-0001 Large Open Cup with plunger		
Corn Flour	Moisture, Protein, Oil, Ash, Fiber	US-LGOP-0001 Large Open Cup with plunger		
Corn Germ	Moisture, Protein, Oil, Ash, Fiber	US-LGOP-0001 Large Open Cup with plunger		
Corn Gluten Feed	Moisture, Protein, Oil, Starch	US-LGOP-0001 Large Open Cup with plunger		
Corn Gluten Meal	Moisture, Protein, Oil, Fiber, Ash, Starch	US-LGOP-0001 Large Open Cup with plunger		
Corn Meal	Moisture, Protein, Oil, Fiber, Ash	US-LGOP-0001 Large Open Cup with plunger		
Corn Starch - dry	Moisture, Protein, Ash	US-LGOP-0001 Large Open Cup with plunger		
Dried Distillers Grains (DDGS)	Moisture, Protein, Oil, Ash, ADF, NDF, Ca, P, DM	US-LGOP-0001 Large Open Cup with plunger		
Egg Powder	Moisture, Protein, Fat	US-LGOP-0001 Large Open Cup with plunger		
Malted Barley	Moisture, Protein, Alpha Amylase, Beta Glucan, Diastatic Power, FAN, Sol Protein	US-LGOP-0001 Large Open Cup with plunger		
Mustard Flour	Moisture, Protein, Oil, Volatile Oil	US-LGOP-0001 Large Open Cup with plunger		
Mustard Seeds	Moisture, Protein, Oil, Palmitic, Stearic, Oleic, Linoleic, Linolenic, Erucic, SATS	US-LGOP-0001 Large Open Cup with plunger		
Rape Seed (Canola)	Moisture, Protein, Oil, Chlorophyll, Gluco, Oleic, Lenoleic, Erucic, SATS, IV, FFA	US-LGOP-0001 Large Open Cup with plunger		
Rice (Brown)	Moisture, Protein	US-LGOP-0001 Large Open Cup with plunger		
Rice (White)	Moisture, Protein	US-LGOP-0001 Large Open Cup with plunger		
Soybean Meal	Moisture, Protein, Fat, Fiber, Ash	US-LGOP-0001 Large Open Cup with plunger		
Soybean Seeds	Moisture, Protein, Oil	US-LGOP-0001 Large Open Cup with plunger		
Soybeans	Glucose, Fructose, Sucrose, Raffinose, Stachyose	US-LGOP-0001 Large Open Cup with plunger		
Soybeans (amino acids)	ASP,THR,SER,GLU,PRO,LAN,GLY,ALA,CYS,VAL,MET,ILE,LEU,TYR,PHE,LYS,HIS,ARG,TRY	US-LGOP-0001 Large Open Cup with plunger		
Soybeans (fatty acids)	Palmeic, Stearic,Oleic,Linoeic,Linolenic	US-LGOP-0001 Large Open Cup with plunger		
Whole Oats	Moisture, Protein, Oil, Beta Glucan	US-LGOP-0001 Large Open Cup with plunger		
Whole Peas	Moisture, Protein	US-LGOP-0001 Large Open Cup with plunger		
	Rendering			
Substance	Constituents	Sampling Accessories		
Blood Meal	Moisture, Protein, Fat, Ash, Ca	US-LGOP-0001 Large Open Cup with plunger		
Feather Meal	Moisture, Protein, Fat, Ash, Ca, P	US-LGOP-0001 Large Open Cup with plunger		
Fish Meal	Moisture, Protein, Fat, Ash	US-LGOP-0001 Large Open Cup with plunger		
Meat & Bone Meal	Moisture, Protein, Fat, Ash, Ca, P, Digestibility	US-LGOP-0001 Large Open Cup with plunger		
Pork Meal	Moisture, Protein, Fat, Ash, Fiber	US-LGOP-0001 Large Open Cup with plunger		
Poultry Meal	Moisture, Protein, Fat, Ash, Ca, P	US-LGOP-0001 Large Open Cup with plunger		
	Snack Food			
Substance	Constituents	Sampling Accessories		
Cookies	Moisture, Fat, Sugar	US-LGOP-0001 Large Open Cup with plunger		
Frozen finished French Fries	Moisture, Solids, Oil	US-LGOP-0001 Large Open Cup with plunger		
Pita Chips	Moisture, Oil	US-LGOP-0001 Large Open Cup with plunger		
Potato Chips	Moisture, Oil	US-LGOP-0001 Large Open Cup with plunger		
Potatoes - Raw/Dried	Moisture, Solids	US-LGOP-0001 Large Open Cup with plunger		
Tortilla Chips	Moisture, Oil	US-LGOP-0001 Large Open Cup with plunger		

Glossary

Constituent	Definition
Acid Detergent Fiber (ADF)	The fibrous component represents the least digestible fiber portion of forage or other roughage
Acid Detergent Protein (ADP)	The insoluble protein fraction
Acidity	The level of acid in substances such as water, soil, or wine
Alanine (ALA)	Amino Acid
Alpha Amylase	Enzyme that catalyze the hydrolysis of the internal α-1,4-glycosidic linkages in starch
Alveo P	Maximum pressure required for the deformation of the sample or overpressure
Alveo W	Indicates dough baking strength
Arachidic	Fatty Acid
Arginine (ARG)	Amino Acid
Ash	The residue containing inorganic mineral elements of a feed sample
Aspartic	Amino Acid
Beta Glucan	One form of soluble dietary fiber that's strongly linked to improving cholesterol levels and boosting heart health
Calcium (Ca)	Essential mineral
Calories	Calorie is a unit of measurement for energy



















Carbohydrates	Biochemical compounds composed only of the elements carbon, hydrogen and oxygen, and are the main source of energy for animals
Color B	Yellow to Blue color axis
Cysteine (CYS)	Amino Acid
Dev Time	Classification for water absorbtion in flour
Diastatic Power	A measurement of a malted grain's enzymatic content
Digestability	Measure of nutrition a food provides in a given volume. It indicates how much of the food is absorbed by the gut into the bloodstream
Digestable Protein (DP)	Measure of how well the proteins are digested
DK	index DK is a criterion of discrimination between a bad quality virgin olive oil and a virgin olive oil adulterated with refined olive oil
Dry Matter (DM)	A measurement of a sample with all volitles removed
Erucic	Fatty Acid
Fat/Oil	The term often refers specifically to triglycerides, that are the main components of vegetable oils and of fatty tissue in animals
Fiber	The insoluble residue of an acid hydrolysis followed by an alkaline one
Free Fatty Acids (FFA)	Are produced by the hydrolysis of oils and fats
Fructose	A common sugar
Glucose	A common sugar
Glutamic (GLU)	Amino Acid
Glycine (GLY)	Amino Acid
Heptadecanoic	Fatty Acid
Histidine (HIS)	Amino Acid
Insoluble Fiber	Refers to all the parts of plant-based foods that cannot be digested or absorbed by the body
Insoluble Fiber	All the parts of plant-based foods that cannot be digested or absorbed by the body
Iodine Value (IV)	
	Mass of iodine in grams consumed per 100 grams of a chemical substance, often used to determine the amount of unsaturation in fats, oils and waxes
Isoleucine (ILE) K232	Amino Acid
K232 K270	A delicate indicator of oxidation in oils
	Detects the level of adulteration, blends with refined olive oil
Lactose	A large sugar molecule that is made up of two smaller sugar molecules, glucose and galactose
Lenoleic	Fatty Acid
Lenolinic	Fatty Acid
Lignin	A complex organic polymer deposited in the cell walls of many plants, making them rigid and woody
Lysine (LYS)	Amino Acid
Magnesium (Mg)	Essential mineral
Methionine (MET)	Amino Acid
Moisture	Total amount of bound and unbound water contained in a sample
Neutral Detergent Fiber (NDF)	Measures most of the structural components in plant cells (i.e. lignin, hemicellulose and cellulose), but not pectin
Neutral Detergent Fiber Digestibility	This method mimics rumen digestion. The forage sample is dried, ground and incubated in rumen fluid for 48 hours
48 (dNDF48)	This method minics runter digestion. The totage sample is dired, ground and incubated in runter fluid for 46 flours
Oleic	Fatty Acid
Palmitic	Fatty Acid
Peroxide Value (PV)	Gives the initial evidence of rancidity in unsaturated fats and oils
Phenylalanine (PHE)	Amino Acid
Phosphorus (P)	Essential mineral
Polarity (POL)	An approximate measure of the sucrose content of the sugar
Pottasium (K)	An approximate measure of the sucrose content of the sugar
Proline (PRO)	Amino Acid
Protein	Organic compounds composed of building blocks called amino acids
рН	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions
pH Purity	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers
pH Purity Raffinose	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose
pH Purity Raffinose RDS	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor
pH Purity Raffinose RDS RWST	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton
pH Purity Raffinose RDS RWST Salt (NaCl)	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER)	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids Stachyose	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample A tetrasaccharide consisting of two α-D-galactose units, one α-D-glucose unit, and one β-D-fructose unit sequentially linked as galgalglcfru
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids Stachyose Starch	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample A tetrasaccharide consisting of two α-D-galactose units, one α-D-glucose unit, and one β-D-fructose unit sequentially linked as galgalgicfru A white, granular, organic chemical that is produced by all green plants
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids Stachyose Starch Stearic	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample A tetrasaccharide consisting of two α-D-galactose units, one α-D-glucose unit, and one β-D-fructose unit sequentially linked as galgalglcfru A white, granular, organic chemical that is produced by all green plants Fatty Acid
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids Stachyose Starch Stearic Sucrose	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample A tetrasaccharide consisting of two α-D-galactose units, one α-D-glucose unit, and one β-D-fructose unit sequentially linked as galgalglcfru A white, granular, organic chemical that is produced by all green plants Fatty Acid A common sugar
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids Stachyose Starch Stearic Sucrose Suger	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample A tetrasaccharide consisting of two α-D-galactose units, one α-D-glucose unit, and one β-D-fructose unit sequentially linked as galgalglcfru A white, granular, organic chemical that is produced by all green plants Fatty Acid A common sugar Also called monosaccharides, include glucose, fructose, and galactose
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids Stachyose Starch Stearic Sucrose Suger Threonine (THR)	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample A tetrasaccharide consisting of two α-D-galactose units, one α-D-glucose unit, and one β-D-fructose unit sequentially linked as galgalglcfru A white, granular, organic chemical that is produced by all green plants Fatty Acid A common sugar
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids Stachyose Starch Stearic Sucrose Suger Threonine (THR) Tryptophan (TRP)	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample A tetrasaccharide consisting of two α-D-galactose units, one α-D-glucose unit, and one β-D-fructose unit sequentially linked as galgalgicfru A white, granular, organic chemical that is produced by all green plants Fatty Acid A common sugar Also called monosaccharides, include glucose, fructose, and galactose Amino Acid Amino Acid
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids Stachyose Starch Stearic Sucrose Suger Threonine (THR) Tryptophan (TRP) Tyrosine (TYR)	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample A tetrasaccharide consisting of two α-D-galactose units, one α-D-glucose unit, and one β-D-fructose unit sequentially linked as galgalgicfru A white, granular, organic chemical that is produced by all green plants Fatty Acid A common sugar Also called monosaccharides, include glucose, fructose, and galactose Amino Acid
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids Stachyose Starch Stearic Sucrose Suger Threonine (THR) Tryptophan (TRP) Tyrosine (TYR) Valine (VAL)	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample A tetrasaccharide consisting of two α-D-galactose units, one α-D-glucose unit, and one β-D-fructose unit sequentially linked as galgalgicfru A white, granular, organic chemical that is produced by all green plants Fatty Acid A common sugar Also called monosaccharides, include glucose, fructose, and galactose Amino Acid Amino Acid
pH Purity Raffinose RDS RWST Salt (NaCl) Saturated Fat Serine (SER) Solids Stachyose Starch Stearic Sucrose Suger Threonine (THR) Tryptophan (TRP) Tyrosine (TYR)	Quantitative measure of the acidity or basicity of aqueous or other liquid solutions Purity=(pol/rds)*100 Used to determine value of sugar beets to pay farmers A trisaccharide composed of galactose, glucose, and fructose Measurement of total dissolved solids in a sugar liquor Recoverable white sucrose per ton Mineral Sodium Chloride A saturated fat is a fat or fatty acid in which there are no double bonds between the carbon atoms of the fatty acid chain Amino Acid A measurement of the amount of solid substance contained in a liquid sample A tetrasaccharide consisting of two α-D-galactose units, one α-D-glucose unit, and one β-D-fructose unit sequentially linked as galgalgicfru A white, granular, organic chemical that is produced by all green plants Fatty Acid A common sugar Also called monosaccharides, include glucose, fructose, and galactose Amino Acid Amino Acid Amino Acid













