



# Price List

Analysis	Item code	Price per sample (inc GST)	Minimum volume required	Estimated turnaround time	Instrument/method used
<b>Export Certificates</b>					
<b>Single Export Certificates</b>					
Brazil Certificate of Origin - Dry	BRAZIL_DRY	\$220.00	2 x 750 mL	24 - 48 hours	Various
Brazil Certificate of Origin - Sparkling	BRAZIL_SPARKLING	\$286.00			
Brazil Certificate of Origin - Sparkling <60g/L	BRAZIL_SPARKLING_60	\$286.00			
Brazil Certificate of Origin - Sweet	BRAZIL_SWEET	\$286.00			
Certificate of Analysis	COA	\$66.00			
Japanese Export Certificate	JAP	\$99.00			
Taiwanese Certificate	TAI_DRY	\$26.40			
Taiwanese Certificate	TAI_SWEET	\$33.00			
VI1 Bulk Certificate	VI1B	\$143.00			
VI1 Packaged Certificate	VI1P	\$49.50			
<b>Multiple Export Certificates</b>					
Certificate of Analysis & Japanese	COA_JAP	\$143.00	2 x 750 mL	24 - 48 hours	Various
Certificate of Analysis, Japanese & VI1 Bulk	COA_JAP_VI1B	\$258.50			
Certificate of Analysis, Japanese & VI1 Packaged	COA_JAP_VI1P	\$159.50			
Certificate of Analysis & VI1 Bulk	COA_VI1B	\$192.50			
Certificate of Analysis, VI1 Bulk & VI1 Packaged	COA_VI1B_VI1P	\$220.00			
Certificate of Analysis & VI1 Packaged	COA_VI1P	\$82.50			
Japanese & VI1 Bulk	JAP_VI1B	\$214.50			
Japanese & VI1 Packaged	JAP_VI1P	\$110.00			
VI1 Bulk, VI1 Packaged & Japanese	VI1B_VI1P_JAP	\$253.00			
VI1 Bulk & VI1 Packaged	VI1B_VI1P	\$181.50			
<b>Export Upgrades</b>					
Upgrade to Certificate of Analysis	UP_COA	\$55.00	Contact Customer Service on 08 8313 6600 or commercialservices@awri.com.au to discuss if a cellar sample is available/required.		
Upgrade to Japanese Export Certificate	UP_JAP	\$88.00			
Upgrade to VI1 Bulk Certificate	UP_VI1B	\$132.00			
Upgrade to VI1 Packaged Certificate	UP_VI1P	\$44.00			
<b>Repeat/Re-issue Certificates</b>					
Repeat/Re-issue Certificates	REPEAT	\$33.00	N/A	24 hours	N/A
<b>Items in blue indicate analysis sent to an external laboratory</b>					
<b>Items in green indicate analysis discounts may apply for sample numbers greater than 8 - contact Customer Service for further details</b>					
<b>A</b>					
Acetaldehyde	ACETALDHYDE	\$181.50	155 mL	15 days	GCMS
Acetic acid	ACETIC	\$38.50	10 mL	24 hours	Enzymatic
Acetic acid by HPLC	ACETIC_HPLC	\$66.00	10 mL	72 hours	HPLC
Acetic acid by WineScan (wines < 30g/L sugar)	ACETIC_WS	\$11.00	100 mL	24 hours	WineScan
Alcohol by Densitometry	ALCD	\$33.00	250 mL	24 hours	Distillation
Alcohol by NIR	ALC_NIR	\$19.80	50 mL	24 hours	NIR
Alcohol by WineScan (wines < 30 g/L sugar)	ALC_WS	\$11.00	100 mL	24 hours	WineScan
Allergen - total egg white and milk protein residue	ALLERGEN_COMBO	\$220.00	10 mL	72 hours	Egg & milk ELISA kit
Alpha amino nitrogen	ALPHA-AMINO-N	\$28.60	10 mL	24 hours	Enzymatic
Aluminium	ALUMINIUM	\$121.00	155 mL	15 days	ICP/MS
Amino acid profile	AMINO-01	\$247.50	5 mL	15 days	HPLC/FLD
Ammonia	AMMONIA	\$28.60	10 mL	24 hours	Enzymatic
Anthocyanin diglucosides - qualitative (presence or absence)	ANTH_DIGLUC	\$33.00	10 mL	24 hours	UV light
Antimony	ANTIMONY	\$121.00	155 mL	15 days	External
Arsenic	ARSENIC	\$121.00	155 mL	15 days	ICP/MS
Ascorbic acid	ASCORBIC	\$44.00	10 mL	72 hours	HPLC
Ascorbic acid codex testing	CODEX_ASC	\$385.00	200 g	15 days	Codex/External
Ascorbic acid purity	ASCORBIC_PURITY	\$19.80	5 g	48 hours	Titration
Ash	ASH	\$77.00	155 mL	15 days	External
<b>B</b>					
Basic vintage panel (brix, pH & titratable acidity pH 8.2)	BASIC_VINTAGE_PANEL	\$26.40	50 mL	24 hours	Refractometer / Titramaster

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Baume (calculation with brix)*	BAUME	\$11.00	200 berries / 10 mL	24 hours	Refractometer
Bentonite trial (please submit bentonite sample)	BENTONITE_TRIAL	\$99.00	2 x 750 mL	5 days	Nephelometer
Benzoic acid	BENZOIC ACID	\$187.00	155 mL	15 days	HPLC
Berry weight	BERRY_WEIGHT	\$4.40	N/A	24 hours	Scales
Boron	BORON	\$121.00	155 mL	15 days	ICP/MS
Bottle pressure (kpa or bar)	BOTTLE_PRESSURE	\$13.20	750 mL	24 hours	Pressure gauge
Brettanomyces (micro plating)	BRETTANOMYCES	\$66.00	750 mL	12 days	Filter/Incubate
Brettanomyces bruxellensis (vinoBrett using Veriflow™)	BRETT_VERIFLOW	\$88.00	750 mL	48 hours	Veriflow™
Brix	BRIX	\$11.00	200 berries / 10 mL	24 hours	Refractometer
<b>C</b>					
C6-Compounds (aldehydes, hexanol, hexanal)	C6_ALDEHYDES_HEXANOL	Contact Customer Service			External
Cadmium	CADMIUM	\$121.00	155 mL	15 days	ICP/MS
Calcium	CALCIUM_ICP	\$33.00	15 mL	48 hours	ICP/MS
Calcium (juice or grapes)	CALCIUM_AA	\$29.70	25mL/200g	48 hours	AAS
Carbon dioxide and dissolved oxygen	CO2_O2	\$19.80	750 mL	24 hours	Cbox
Catalase	CATALASE	\$11.00	750 mL or plate	24 hours	Plating
Chloride (as total chloride)	CHLORIDE	\$143.00	155 mL	15 days	ICP/MS
Chloride (as NaCl)	SODIUM_CHLORIDE	\$143.00	155 mL	15 days	ICP/MS
Chromium	CHROMIUM	\$121.00	155 mL	15 days	External
1,8-Cineole (Eucalyptol)	EUCALYPTOL	\$143.00	50 mL	10 days	GCMS
Citric acid	CITRIC	\$33.00	10 mL	24 hours	Enzymatic
Citric acid by HPLC	CITRIC_HPLC	\$66.00	10 mL	72 hours	HPLC
Citric acid codex testing	CODEX_CITRIC	\$368.50	200 g	15 days	Codex / External
Citric acid purity	CITRIC_PURITY	\$19.80	5 g	48 hours	Titration
Cobalt	COBALT	\$143.00	155 mL	15 days	External
Codex testing (ascorbic acid, citric acid, DAP, erythorbic acid, malic acid, PMS, potassium bicarbonate, potassium carbonate, potassium sorbate, PVPP, tartaric acid, thiamine hydrochloride acid)	CODEX	Various	200 g	15 days	Codex / External
Cold stability	COLD	\$25.30	200 mL	4 days	-4 °C bath
Cold and heat stability	STABILITY_COMBO	\$44.00	200 mL	4 days	-4 & 80 °C baths
Colour profile red grapes	COL_PROFILE_RG	\$44.00	200 berries	48 hours	UV-Vis
Colour profile red wine	COL_PROFILE_RW	\$22.00	20 mL	48 hours	UV-Vis
Colour profile red wine plus tannins	COL_TAN_PROFILE_RW	\$27.50	20 mL	48 hours	UV-Vis
Colour intensity OIV (calculation with 420 nm, 520 nm & 620 nm)*	COLOUR_OIV	\$11.00	10 mL	24 hours	Calculation
Conductivity	CONDUCTIVITY	\$11.00	100 mL	24 hours	Conductivity
Copper	COPPER_ICP	\$33.00	15 mL	48 hours	ICP/MS
Copper (juice or grapes)	COPPER_AA	\$29.70	25mL/200g	48 hours	AAS
Cyanide (as total cyanide)	CYANIDE	\$203.50	155 mL	15 days	External
<b>D</b>					
2,4 - D (wine)	2_4D-01	\$203.50	100 mL	10 days	LC/MS/MS
2,4 - D (grapes)	2_4D-02	\$220.00	500 g	10 days	LC/MS/MS
DAP codex testing	CODEX_DAP	\$324.50	200 g	15 days	Codex/External
DAP purity	DAP_PURITY	\$19.80	5 g	48 hours	Titration
Density	DENSITY	\$22.00	25 mL	24 hours	Density meter
Diacetyl	DIACETYL	\$178.20	50 mL	10 days	GCMS
Dithiocarbamates (as CS <sub>2</sub> )	DITHIOCARBAMATES	\$217.80	500 mL	20 days	External
Dissolved oxygen and carbon dioxide	CO2_O2	\$19.80	750 mL	24 hours	Cbox
<b>E</b>					
Egg white protein residue	EGG	\$121.00	10 mL	72 hours	ELISA kit
Egg white and milk protein residue	EGG_MILK	\$220.00	10 mL	72 hours	ELISA kit
Ellagitannins	ELLAGITANNINS	\$143.00	Contact Customer Service		HPLC
Energy value calculation (calorie or kilojoules)*	ENERGY_CALORIES / KJ	\$11.00	N/A	24 hours	Calculation
Energy value for dry wines (calorie or kilojoules, calculation with alcohol & glucose + fructose)	ENERGY_CAL_DRY ENERGY_KJ_DRY	\$33.00	750 mL	24 hours	WineScan
Energy value for sparkling wines (calorie or kilojoules, calculation with alcohol & glucose + fructose)	ENERGY_CAL_SPARKLING ENERGY_KJ_SPARKLING	\$69.30	750 mL	24 hours	NIR / Rebelein
Energy value for semi-sweet and sweet wines (calorie or kilojoules, calculation with alcohol & glucose + fructose)	ENERGY_CAL_SWEET ENERGY_KJ_SWEET	\$63.80	750 mL	24 hours	NIR / Enzymatic
Erythorbic acid by HPLC	ERYTHORBIC	\$66.00	10 mL	72 hours	HPLC
Erythorbic acid codex testing	CODEX_ERYTHORBIC	\$385.00	200 g	15 days	Codex / External

Analysis	Item code	Price per sample (inc GST)	Minimum volume required	Estimated turnaround time	Instrument/ method used
Erythorbic purity	ERYTHORBIC_PURITY	\$19.80	5 g	48 hours	Titration
Ethanol	ETHANOL_GC	\$181.50	155 mL	15 days	GCMS
Ethyl acetate	ETHYL ACETATE	\$181.50	155 mL	15 days	GCMS
Ethyl carbamate	ETHYL_CARB	\$198.00	100 mL	10 days	GCMS
Ethylene glycol (included in glycol group)	ETHYLENE_GLYCOL	\$253.00	155 mL	15 days	GCMS
4-ethylphenol & 4-ethylguaiaicol (wine)	4EP-01	\$93.50	50 mL	4 - 7 days	GCMS
Eucalyptol (1,8-cineole)	EUCALYPTOL	\$143.00	50 mL	10 days	GCMS
Extraction force	EXTRACTION_F	\$15.40	750 mL	24 hours	Extraction gauge
<b>F</b>					
Filterability	FILTERABILITY	\$33.00	750 mL	24 hours	Filtration apparatus
Fluoride	FLOURIDE	\$148.50	155 mL	15 days	ISE
Fructose	FRUCTOSE	\$31.90	10 mL	24 hours	Enzymatic
Fructose by HPLC	FRUCTOSE_HPLC	\$66.00	10 mL	72 hours	HPLC
<b>G</b>					
Geosmin	GEOSMIN	\$166.10	50 mL	15 days	External
Glucose + Fructose	GLU_FRU	\$33.00	10 mL	24 hours	Enzymatic
Glucose + Fructose by Winescan (wines < 30 g/L sugar)	GLU_FRU_WS	\$11.00	100 mL	24 hours	WineScan
Glucose	GLUCOSE	\$31.90	10 mL	24 hours	Enzymatic
Glucose by HPLC	GLUCOSE_HPLC	\$66.00	10 mL	72 hours	HPLC
Glycerol	GLYCEROL_HPLC	\$66.00	10 mL	72 hours	HPLC
Glycol (Propylene glycol, ethylene glycol, diethylene glycol)	GLYCOLS	\$381.70	155 mL	15 days	GCMS
<b>H</b>					
Halogenated phenols - quantitative (amount present) (wine)	HALOPH-01	\$313.50	500 mL	10 days	GCMS
Halogenated phenols - quantitative (amount present) (solids)	HALOPH-02	\$462.00	20 g	15 days	GCMS
Heat stability	HEAT	\$25.30	100 mL	48 hours	80 °C bath
Heat and cold stability	STABILITY_COMBO	\$44.00	200 mL	4 days	-4 & 80 °C baths
Higher alcohols	HIALCOHOL	\$181.50	155 mL	15 days	GCMS
Homogenise	HOMOGENISE	\$27.50	200 g	24 hours	Retsch
<b>I</b>					
Indole	INDOLE	\$181.50	50 mL	10 days	GCMS
IR Investigation of crystals	IR_INVEST	\$198.00	1 g	5 days	FTIR
Iron	IRON_ICP	\$33.00	15 mL	48 hours	ICP
Iron (juice or grapes)	IRON_AA	\$29.70	25mL/200g	48 hours	AAS
<b>L</b>					
Laccase activity	LACCASE	\$46.20	20 mL	24 hours	Laccase kit
Lactic acid	LACTIC_HPLC	\$66.00	10 mL	72 hours	HPLC
Lead	LEAD	\$121.00	155 mL	15 days	ICP/MS
Low molecular weight sulfides	LMWS	\$203.50	100 mL	10 days	GC-SCD
<b>M</b>					
Magnesium	MAGNESIUM	\$121.00	155 mL	15 days	ICP/MS
Malic acid	MALIC	\$27.50	10 mL	24 hours	Enzymatic
Malic acid by WineScan (wines < 30 g/L sugar)	MALIC_WS	\$11.00	100 mL	24 hours	WineScan
Malic acid by HPLC	MALIC_HPLC	\$66.00	10 mL	72 hours	HPLC
Malic acid codex testing	CODEX_MALIC	\$869.00	200 g	15 days	Codex / External
Malic acid purity	MALIC_PURITY	\$19.80	5 g	48 hours	Titration
Malvidin-3-5-diglucoside (quantitative amount present)	MALVIDIN-3-5-DIGLUC	\$106.70	10 mL	72 hours	HPLC
Manganese (wine)	MANGANESE_ICP	\$33.00	15 mL	48 hours	ICP/MS
Manganese (juice or grapes)	MANGANESE_AA	\$44.00	300 mL/300 g	48 hours	AAS
Mercury	MERCURY	\$121.00	155 mL	15 days	ICP/MS
Metals (copper & iron by ICP)	METALS2	\$55.00	155ml	48 hours	ICP/MS
Metals group (calcium, potassium, sodium, iron, copper & manganese)	METALS_GROUP	\$71.50	15 mL	48 hours	ICP/MS
Metals for China (manganese, copper & iron)	METALS_CHINA	\$71.50	15 mL	48 hours	ICP/MS
Metal Screen by ICP (21 metal group by ICP)	METALS_SCREEN	\$110.00	15 mL	48 hours	ICP/MS
Metal Screen 9 (Sb, As, Cd, Cu, Pb, Hg, Se, Sn, Zn)	METAL_SCREEN9	\$154.00	155 mL	15 days	ICP/MS
Methanol	METHANOL	\$181.50	155 mL	15 days	GCMS
Methoxypyrazines (wine)	METHOXY-01	\$176.00	50 mL	10 days	GCMS
Methoxypyrazines (grapes)	METHOXY-02	\$209.00	500 g	10 days	GCMS
Microorganism ID	MICRO_ID	\$220.00	750 mL	5-10 days	DNA sequencing
Microscopic perusal	MICRO_PERUSAL	\$60.50	750 mL	24 hours	Microscope
Milk protein residue	MILK	\$121.00	10 mL	72 hours	Milk ELISA kit

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<b>Milk and egg white protein residue</b>	ALLERGEN_COMBO	\$220.00	10 mL	48 hours	ELISA kit
<b>Multi-residue assay LCMS (wine)</b>	LCMS-01	\$203.50	100 mL	10 days	LC/MS/MS
<b>Multi-residue assay LCMS (grapes &amp; juice)</b>	LCMS-02	\$242.00	500 g	10 days	LC/MS/MS
<b>Multi-residue assay LCMS (liquid non-wine)</b>	LCMS-03	\$220.00	100 mL	10 days	LC/MS/MS
<b>Multi-residue assay LCMS (solids)</b>	LCMS-04	\$258.50	500 g	10 days	LC/MS/MS
<b>N</b>					
<b>Naphthalene</b>	NAPHTHALENE	\$115.50	25 mL	10 days	GCMS
<b>Natamycin</b>	NATAMYCIN	\$171.60	50 mL	10 days	LC/MS/MS
<b>Nitrates</b>	NITRATES	\$143.00	155 mL	15 days	ICP/MS
<b>Nitrites</b>	NITRITES	\$143.00	155 mL	15 days	ICP/MS
<b>Nutritional Panel (Protein, Carbohydrate, Sugars, Sodium, Energy)</b>	NUTRIT_PANEL_DRY	\$280.50	750mL	15 days	External
<b>O</b>					
<b>Oak flavour analysis (wine)</b>	OAK-01	\$123.20	50 g	10 days	GCMS
<b>Oak flavour analysis (chips)</b>	OAK-02	\$136.40	20 mL	10 days	GCMS
<b>Ochratoxin A</b>	OCHRATOXIN_A	\$176.00	50 mL	10 days	HPLC/FLD
<b>Optical density</b> (currently offer 250, 270, 280, 290, 315, 320, 420, 450, 490, 520, 620 nm - other wavelengths available on request)	OD_number	\$8.80	10 mL	24 hours	UV-Vis
<b>Optical rotation</b>	OPTICAL_ROTATION	\$132.00	50 g	5 days	Polarimeter
<b>Organic acid profile</b> (citric, tartaric, malic, lactic, acetic, succinic, glucose, fructose, and glycerol)	ORGANIC_ACID_PROFILE	\$99.00	10 mL	72 hours	HPLC
<b>Oxidation aldehydes</b>	OXIDATION_ALDEHYDES	\$192.50	50mL	15 days	External
<b>P</b>					
<b>pH</b>	PH	\$8.80	25 mL	24 hours	Titramaster
<b>pH (wines &lt; 30 g/L sugar only)</b>	PH_WS	\$7.70	100 mL	24 hours	WineScan
<b>Phenolics for white wine</b>	PHENOLICS_WHITE	\$8.80	10 mL	24 hours	UV-Vis
<b>Phosphates (as PO<sub>4</sub>)</b>	PHOSPHATES	\$143.00	155 mL	15 days	ICP/MS
<b>Phosphorous acid</b>	PHOSPHOROUS_ACID-01	\$330.00	155 mL	10 days	External
<b>Phosphorous acid (DAP)</b>	PHOSPHOROUS_ACID-02	\$330.00	155 mL	10 days	External
<b>Phosphorus</b>	PHOSPHORUS	\$203.50	155 mL	15 days	ICP/MS
<b>Phthalates/plasticisers</b>	PTHALATES	\$319.00	100 mL	15 days	External
<b>Pinking susceptibility</b>	PINKING	\$42.90	750 mL	48 hours	UV-Vis
<b>Potassium</b>	POTASSIUM_ICP	\$33.00	25 mL	48 hours	ICP/MS
<b>Potassium (juice or grapes)</b>	POTASSIUM_AA	\$29.70	25mL/200g	48 hours	AAS
<b>Potassium bicarbonate codex testing</b>	CODEX_POT_BICARB	\$236.50	200 g	15 days	Codex/External
<b>Potassium bicarbonate purity</b>	POTBICARB_PURITY	\$19.80	5 g	48 hours	Titration
<b>Potassium carbonate codex testing</b>	CODEX_POT_CARB	\$291.50	200 g	15 days	Codex/External
<b>Potassium carbonate purity</b>	POTCARB_PURITY	\$19.80	5 g	48 hours	Titration
<b>Potassium metabisulfite (PMS) codex testing</b>	CODEX_PMS	\$319.00	200 g	15 days	Codex/External
<b>Potassium sorbate codex testing</b>	CODEX_POT_SORB	\$319.00	200 g	15 days	Codex/External
<b>Potassium sorbate purity</b>	POTSORB_PURITY	\$19.80	5 g	48 hours	Titration
<b>Protein</b>	PROTEIN	\$115.50	155 mL	15 days	External
<b>PVPP codex testing</b>	CODEX_PVPP	\$456.00	200 g	15 days	Codex/External
<b>R</b>					
<b>Red grape vintage panel</b> (brix, pH, titratable acidity pH 8.2 & yeast assimilable nitrogen by enzymatic assay)	RG_VINTAGE_PANEL-01	\$60.50	200 berries 50 mL	24 hours	Refractometer/ Titramaster/ Enzymatic
<b>Red grape vintage panel with anthocyanins, phenolics and tannins</b> (includes items as above)	RG_VINTAGE_PANEL-02	\$99.00	200 berries	48 hours	Refractometer/ Titramaster/ Enzymatic
<b>Reducing sugar</b> (rebelein)	REDUCING_SUGAR	\$27.50	25 mL	24 hours	Rebelein
<b>Resveratrol and piceid</b>	RES-01	\$132.00	20 mL	10 days	HPLC
<b>Rhodamine</b>	RHODAMINE	\$280.50	200 mL + Brine sample	15 days	LC/MS/MS
<b>Rotundone</b>	ROTUNDONE	Contact Customer Service			External
<b>S</b>					
<b>Saturation Temperature</b>	SATURATION_TEMP	\$11.00	200 mL	48 hours	Conductivity
<b>Selenium</b>	SELENIUM	\$121.00	155 mL	15 days	ICP/MS
<b>Sensory</b> (quality assessment panel)	SENSORY_QUALITY	\$385.00	2 x 750 mL	10 days	Organoleptic
<b>Silver</b>	SILVER	\$121.00	155 mL	15 days	ICP/MS
<b>Smoke taint panel (wine)</b>	SMOKE_PANEL-01	\$271.70	250 g / 50mL	10 days	GCMS/LC/MS
<b>Smoke taint panel (grapes)</b>	SMOKE_PANEL-02	\$324.50	250 g / 50mL	10 days	GCMS/LC/MS
<b>Smoke taint panel (juice)</b>	SMOKE_PANEL-03	\$304.70	250 g / 50mL	10 days	GCMS/LC/MS
<b>Sodium</b>	SODIUM_ICP	\$33.00	15 mL	48 hours	ICP/MS



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Sodium (juice or grapes)	SODIUM_AA	\$29.70	25mL/200g	48 hours	AAS
Sodium chloride (as NaCl)	SODIUM_CHLORIDE	\$143.00	155 mL	15 days	ICP/MS
Sorbic acid	SORBIC	\$28.60	10 mL	24 hours	UV-Vis
Specific gravity 20/20C	SG	\$22.00	25 mL	24 hours	Density meter
Specific gravity 20/20C (wines < 30 g/L sugar only)	SG_WS	\$11.00	100 mL	24 hours	WineScan
Stability package (heat & cold stability)	STABILITY_COMBO	\$44.00	300 mL	4 days	-4 & 80 °C baths
Sterility check (10 day plating)	STERILITY	\$88.00	750 mL	12 days	Filter/Incubate
Succinic acid	SUCCINIC_HPLC	\$66.00	10 mL	72 hours	HPLC
Sucrose (rebelein)	SUCROSE	\$38.50	25 mL	24 hours	Rebelein
Sugar content total (including sucrose & reducing sugar)	SUGARTOTAL	\$38.50	25 mL	24 hours	Rebelein
Sugar free extract (calculation with total dry extract & sucrose)*	SFE_CALC	\$11.00	N/A	24 hours	Calculation
Sugar free extract for dry wines (including SG, VA, TSO2, Sucrose and Alcohol)*	SFE_DRY	\$119.90	750mL	48 hours	Various
Sugar free extract for semi-sweet and sparkling wines (including SG, VA, TSO2, Sucrose and Alcohol)*	SFE_SEMI-SWEET	\$167.20	750mL	48 hours	Various
Sugar free extract for sweet wines (including SG, VA, TSO2, Sucrose and Alcohol)*	SFE_SWEET	\$167.20	750mL	48 hours	Various
Sulfate (as K <sub>2</sub> SO <sub>4</sub> )	SULFATE	\$143.00	155 mL	15 days	ICP/MS
Sulfur dioxide (free & total)	SO2_FIA	\$26.40	10 mL	24 hours	FIA
Sulfur dioxide (free)	SO2_FIA_FREE	\$15.40	10 mL	24 hours	FIA
Sulfur dioxide (total)	SO2_FIA_TOTAL	\$15.40	10 mL	24 hours	FIA
Sulfur dioxide (free & total)	SO2_REF	\$33.00	50 mL	24 hours	Aspiration
Sulfur dioxide (free)	SO2_REF_FREE	\$22.00	50 mL	24 hours	Aspiration
Sulfur dioxide (total)	SO2_REF_TOTAL	\$22.00	50 mL	24 hours	Aspiration
<b>T</b>					
Taint vials (per vial)	TAINT	\$24.20	N/A	5 days	N/A
Taint vials (set of all 12 vials)	TAINT_ALL_VIALS	\$290.40	N/A	5 days	N/A
Tannins (red grapes)	TANNIN_RG	\$30.80	200 berries	48 hours	UV-Vis
Tannins (red wine)	TANNIN_RW	\$11.00	20 mL	48 hours	UV-Vis
Tartaric acid	TARTARIC_HPLC	\$66.00	10 mL	72 hours	HPLC
Tartaric acid codex testing	CODEX_TART	\$632.50	200 g	15 days	Codex/External
Tartaric acid purity	TARTARIC_PURITY	\$19.80	5 g	48 hours	Titration
TCA/TBA/TeCA (wine)	TCA-01	\$166.10	50 mL	10 days	GCMS
TCA/TBA/TeCA (chips)	TCA-02	\$180.40	20 g	10 days	GCMS
TCA/TBA/TeCA (cork)	TCA-03	\$176.00	20 g	10 days	GCMS
Thiamine hydrochloride codex testing	CODEX_THIAMINE_HYDRO	\$792.00	200 g	15 days	Codex/External
Tin	TIN	\$106.70	155 mL	15 days	ICP/MS
Titrateable acidity pH 7.0	TA70_TIM	\$8.80	50 mL	24 hours	Titramaster
Titrateable acidity pH 7.0 (wines < 30 g/L sugar only)	TA70_WS	\$7.70	100 mL	24 hours	WineScan
Titrateable acidity pH 8.2	TA82_TIM	\$8.80	50 mL	24 hours	Titramaster
Titrateable acidity pH 8.2 (wines < 30 g/L sugar only)	TA82_WS	\$7.70	100 mL	24 hours	WineScan
Titrateable acidity and pH by Titramaster (pH and total acidity at pH 7.0 & total acidity at pH 8.2)	TITRAMASTER	\$16.50	50 mL	24 hours	Titramaster
Torque	TORQUE	\$11.00	1 x bottle	24 hours	Capstar
Total acidity as sulfuric acid (calculation with titrateable acidity)*	TA_H2SO4	\$11.00	50 mL	24 hours	Calculation
Total acidity - meq/L (calculation with titrateable acidity & pH 8.2)*	TA_MEQL	\$11.00	N/A	24 hours	Calculation
Total alcohol (calculation with alcohol & glucose + fructose)*	ALC_T	\$11.00	N/A	24 hours	Calculation
Total dry extract (calculation with specific gravity, volatile acidity, total SO2 & alcohol)*	TDE_CALC	\$11.00	N/A	24 hours	Calculation
Total dry extract for dry wines (including specific gravity, VA, Total SO2 and alcohol)*	TDE_DRY	\$70.40	N/A	24 hours	Various
Total dry extract for semi-sweet and sparkling wines (including specific gravity, VA, Total SO2 and alcohol)*	TDE_SEMI-SWEET	\$117.70	N/A	24 hours	Various
Total dry extract for sweet wines (including specific gravity, VA, Total SO2 and alcohol)*	TDE_SWEET	\$124.30	N/A	24 hours	Various
Turbidity	TURBIDITY	\$13.20	50 mL	24 hours	Nephelometer
<b>U</b>					
Urgent fee	30% - 50% per analysis		N/A	Contact Customer Service	
UV-Vis scan	UV-VIS_SCAN	\$8.80	10 mL	24 hours	UV-Vis
<b>V</b>					
Vanadium	VANADIUM	\$121.00	155 mL	15 days	ICP/MS
Volatile acidity (markham stills)	VA_R	\$44.00	25 mL	24 hours	Markham still

<i>Analysis</i>	<i>Item code</i>	<i>Price per sample (inc GST)</i>	<i>Minimum volume required</i>	<i>Estimated turnaround time</i>	<i>Instrument/method used</i>
<b>Volatile acidity - meq/L</b> (calculation with volatile acidity by markham still, enzymatic or WineScan)*	VA_MEQL	\$11.00	Depends on wine type	24 hours	Calculation
<b>Volatile acidity as acetic acid</b>	ACETIC	\$38.50	10 mL	24 hours	Enzymatic
<b>Volatile acidity as acetic acid</b> (winescan, wines < 30 g/L sugar only)	ACETIC_WS	\$11.00	100 mL	24 hours	WineScan
<b>Volatile acidity as sulfuric acid (calculation with volatile acidity)*</b>	VA_H2SO4	\$11.00	50 mL	24 hours	Calculation
<b>Volatile fatty acids</b>	VOLATILE_FATTY_ACIDS	\$330.00	Contact Customer Service		External
<b>Volatile thiols</b>	VOLATILE_THIOLS	\$275.00	Contact Customer Service		External
<b>Volatile thiol precursors</b>	VOLATILE_THIOL_PREC	\$275.00	Contact Customer Service		External
<b>Volume check</b>	VOLUME_CHECK	\$45.00	750 mL	24 hours	Scales
<b>W</b>					
<b>White wine spectral</b> (OD 280nm / 320nm / 420nm)	WHITE_WINE_SPECTRAL	\$22.00	10 mL	24 hours	UV-Vis
<b>White grape vintage panel</b> (brix, pH, titratable acidity pH 8.2 & yeast assimilable nitrogen by enzymatic assay)	WG_VINTAGE_PANEL	\$60.50	200 berries / 50 mL	24 hours	Refractometer/ Titramaster/ Enzymatic
<b>White wine colour</b> (phenolics only)	PHENOLICS_WHITE	\$8.80	10 mL	24 hours	UV-VIS
<b>Wine aroma compounds</b>	WINE_AROMA	\$148.50	50 mL	10 days	GCMS
<b>WineScan</b> (alcohol, glucose + fructose, pH, titratable acidity pH 7.0, titratable acidity pH 8.2, volatile acidity as acetic acid and specific gravity 20/20C. Wines < 30 g/L sugar only)	WINESCAN	\$55.00	100 mL	24 hours	WineScan
<b>WineScan suite with spectra data</b>	WINESCAN_SPECTRA	\$66.00	100 mL	24 hours	WineScan
<b>Y</b>					
<b>Yeast assimilable nitrogen</b> (enzymatic)	YAN	\$38.50	10 mL	24 hours	Enzymatic
<b>Yeast count</b>	YEAST_COUNT	\$27.50	250 mL	24 hours	Haemocytometer /Microscope
<b>Zinc</b>					
<b>Zinc</b>	ZINC	\$121.00	155 mL	15 days	ICP/MS

\*Calculation may require other analytical parameters in order to obtain result