



Analysis	Item code	Price Per Sample	Price Per Sample	Minimum volume	Estimated turnaround	Instrument/ method used
<b>Export Certificates</b>						
<b>Single Export Certificates</b>						
Brazil Certificate of Origin - Dry	BRAZIL_DRY	\$ 210.00	\$ 231.00			
Brazil Certificate of Origin - Sparkling	BRAZIL_SPARKLING	\$ 273.00	\$ 300.30			
Brazil Certificate of Origin - Sparkling <60g/L	BRAZIL_SPARKLING_60	\$ 273.00	\$ 300.30			
Brazil Certificate of Origin - Sweet	BRAZIL_SWEET	\$ 273.00	\$ 300.30			
Certificate of Analysis	COA_DRY	\$ 63.00	\$ 69.30			
Certificate of Analysis (Dry) with rebelein sugar	COA_DRY_REB	\$ 89.25	\$ 98.18			
Certificate of Analysis by Reference	COA_REF	\$ 169.05	\$ 185.95			
Certificate of Analysis - Semi Sweet	COA_SEMI-SWEET	\$ 63.00	\$ 66.15	2 x 750 mL	24 - 48 hours	Various
Certificate of Analysis (semi-sweet) with rebelein	COA_SEMI-SWEET_REB	\$ 89.25	\$ 93.71			
Certificate of Analysis - Sweet (includes Sparkling)	COA_SWEET	\$ 63.00	\$ 66.15			
Certificate of Analysis (sweet) with rebelein	COA_SWEET_REB	\$ 89.25	\$ 93.71			
Japanese Export Certificate	JAP	\$ 94.50	\$ 103.95			
Taiwanese Certificate	TAI_DRY	\$ 25.20	\$ 27.72			
Taiwanese Certificate	TAI_SWEET	\$ 31.50	\$ 34.65			
VI1 Bulk Certificate	VI1B	\$ 136.50	\$ 150.15			
VI1 Packaged Certificate	VI1P	\$ 47.25	\$ 51.98			
<b>Multiple Export Certificates</b>						
Certificate of Analysis & Japanese	COA_JAP	\$ 136.50	\$ 150.15	2 x 750 mL	24 - 48 hours	Various
Certificate of Analysis, Japanese & VI1 Bulk	COA_JAP_VI1B	\$ 246.75	\$ 271.43			
Certificate of Analysis, Japanese & VI1 Packaged	COA_JAP_VI1P	\$ 152.25	\$ 167.48			
Certificate of Analysis & VI1 Bulk	COA_VI1B	\$ 183.75	\$ 202.13			
Certificate of Analysis, VI1 Bulk & VI1 Packaged	COA_VI1B_VI1P	\$ 210.00	\$ 231.00			
Certificate of Analysis & VI1 Packaged	COA_VI1P	\$ 78.75	\$ 86.63			
Certificate of Analysis & VI1 Packaged by Reference	COA_VI1P_REF	\$ 184.80	\$ 203.28			
Japanese & VI1 Bulk	JAP_VI1B	\$ 204.75	\$ 225.23			
Japanese & VI1 Packaged	JAP_VI1P	\$ 105.00	\$ 115.50			
VI1 Bulk, VI1 Packaged & Japanese	VI1B_VI1P_JAP	\$ 241.50	\$ 265.65			
VI1 Bulk & VI1 Packaged	VI1B_VI1P	\$ 173.25	\$ 190.58			
<b>Export Upgrades</b>						
Upgrade to Certificate of Analysis	UP_COA	\$ 52.50	\$ 57.75			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	\$ 84.00	\$ 92.40			
Upgrade to VI1 Bulk Certificate	UP_VI1B	\$ 126.00	\$ 138.60			
Upgrade to VI1 Packaged Certificate	UP_VI1P	\$ 42.00	\$ 46.20			
<b>Repeat/Re-issue Certificates</b>						
Repeat/Re-issue Certificates	REPEAT	\$ 31.50	\$ 34.65	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	ACETALDEHYDE	\$ 173.25	\$ 190.58	155 mL	15 days	GCMS
Acetic acid (Volatile Acid as)	ACETIC	\$ 36.75	\$ 40.43	10 mL	24 hours	Enzymatic
Acetic acid by HPLC	ACETIC_HPLC	\$ 63.00	\$ 69.30	10 mL	72 hours	HPLC
Acetic acid by WineScan (wines < 30g/L sugar)	ACETIC_WS	\$ 10.50	\$ 11.55	100 mL	24 hours	WineScan
Alcohol by Densitometry	ALCD	\$ 31.50	\$ 34.65	250 mL	24 hours	Distillation
Alcohol by NIR	ALC_NIR	\$ 18.90	\$ 20.79	50 mL	24 hours	NIR
Alcohol Total (calc with alcohol & glucose & fructose)	ALC_T	\$ 10.50	\$ 11.55	50 mL	24 hours	NIR
Alcohol by WineScan (wines < 30 g/L sugar)	ALC_WS	\$ 10.50	\$ 11.55	100 mL	24 hours	WineScan
Alcohol Standard (analysis of Alcohol Standard)	ALCOHOL_STANDARD	\$ 18.90	\$ 20.79	50 mL	24 hours	NIR
Allergen - total egg white and milk protein residue	ALLERGEN_COMBO	\$ 210.00	\$ 231.00	10 mL	72 hours	Egg & milk ELISA kit
Alpha amino nitrogen	ALPHA_AMINO_N	\$ 27.30	\$ 30.03	10 mL	24 hours	Enzymatic
Aluminium	ALUMINIUM	\$ 115.50	\$ 127.05	155 mL	15 days	ICP/MS
Amino acid profile	AMINO-01	\$ 236.25	\$ 259.88	5 mL	15 days	HPLC/FLD

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Ammonia	AMMONIA	\$ 27.30	\$ 30.03	10 mL	24 hours	Enzymatic
Anthocyanin diglucosides - qualitative (presence or absence)	ANTH_DIGLUC	\$ 31.50	\$ 34.65	10 mL	24 hours	UV light
Antimony	ANTIMONY	\$ 115.50	\$ 127.05	155 mL	15 days	External
Arsenic	ARSENIC	\$ 115.50	\$ 127.05	155 mL	15 days	ICP/MS
Ascorbic acid	ASCORBIC	\$ 42.00	\$ 46.20	10 mL	72 hours	HPLC
Ascorbic acid purity	ASCORBIC_PURITY	\$ 18.90	\$ 20.79	5 g	48 hours	Titration
Ash	ASH	\$ 73.50	\$ 80.85	155 mL	15 days	External
<b>B</b>						
Basic vintage panel (brix, pH & titratable acidity pH 8.2) - grapes, juice	BASIC_VINTAGE_PANEL	\$ 25.20	\$ 27.72	200 berries / 50 mL	24 hours	Refractometer / Titramaster
Baume (calculation with brix)*	BAUME	\$ 10.50	\$ 11.55	200 berries / 10 mL	24 hours	Refractometer
Bentonite trial (please submit bentonite sample)	BENTONITE_TRIAL	\$ 94.50	\$ 103.95	2 x 750 mL	5 days	Nephelometer
Benzoic acid	BENZOIC ACID	\$ 178.50	\$ 196.35	155 mL	15 days	HPLC
Berry weight	BERRY_WEIGHT	\$ 4.20	\$ 4.62	N/A	24 hours	Scales
Boron	BORON	\$ 115.50	\$ 127.05	155 mL	15 days	ICP/MS
Bottle pressure (kpa or bar)	BOTTLE_PRESSURE	\$ 12.60	\$ 13.86	750 mL	24 hours	Pressure gauge
Brettanomyces (micro plating)	BRETTANOMYCES	\$ 63.00	\$ 69.30	750 mL	12 days	Filter/Incubate
Brettanomyces bruxellensis (vinoBrett using Veriflow™)	BRETT_VERIFLOW	\$ 84.00	\$ 92.40	750 mL	48 hours	Veriflow™
Brix	BRIX	\$ 10.50	\$ 11.55	200 berries / 10 mL	24 hours	Refractometer
<b>C</b>						
C6-Compounds (aldehydes, hexanol, hexanal)	C6_ALDEHYDES_HEXANOL	\$ 162.75	\$ 179.03			External
Cadmium	CADMIUM	\$ 115.50	\$ 127.05	155 mL	15 days	ICP/MS
Calcium	CALCIUM_ICP	\$ 31.50	\$ 34.65	15 mL	48 hours	ICP/MS
Calcium (juice or grapes)	CALCIUM_AA	\$ 28.35	\$ 31.19	25mL/200g	48 hours	AAS
Carbon dioxide and dissolved oxygen	CO2_O2	\$ 18.90	\$ 20.79	750 mL	24 hours	Cbox
Carfentrazone ethyl	CARFENTRAZONE_ETHYL	\$ 399.00	\$ 438.90	100mL or 500g	15 days	External
Catalase	CATALASE	\$ 10.50	\$ 11.55	750 mL or plate	24 hours	Plating
Chloride (as total chloride)	CHLORIDE	\$ 136.50	\$ 150.15	155 mL	15 days	ICP/MS
Chloride (as NaCl)	SODIUM_CHLORIDE	\$ 136.50	\$ 150.15	155 mL	15 days	ICP/MS
Chlorophenols	CHLORO_01	\$ 158.55	\$ 174.40	POA	10 days	
Chromium	CHROMIUM	\$ 115.50	\$ 127.05	155 mL	15 days	External
1,8-Cineole (Eucalyptol)	EUCALYPTOL	\$ 136.50	\$ 150.15	50 mL	10 days	GCMS
Citric acid	CITRIC	\$ 31.50	\$ 34.65	10 mL	24 hours	Enzymatic
Citric acid by HPLC	CITRIC_HPLC	\$ 63.00	\$ 69.30	10 mL	72 hours	HPLC
Citric acid purity	CITRIC_PURITY	\$ 18.90	\$ 20.79	5 g	48 hours	Titration
Cobalt	COBALT	\$ 136.50	\$ 150.15	155 mL	15 days	External
Codex testing for Ascorbic acid	CODEX_ASC	\$ 367.50	\$ 404.25	200 g	15 days	Codex / External
Codex testing for Citric acid	CODEX_CITRIC	\$ 351.75	\$ 386.93	200 g	15 days	Codex / External
Codex testing for DAP	CODEX_DAP	\$ 309.75	\$ 340.73	200 g	15 days	Codex / External
Codex testing for Malic acid	CODEX_DL_MALIC	\$ 666.75	\$ 733.43	200 g	15 days	Codex / External
Codex testing for erythorbic acid	CODEX_ERYTHORBIC	\$ 367.50	\$ 404.25	200 g	15 days	Codex / External
Codex testing for Malic acid	CODEX_L_MALIC	\$ 666.75	\$ 733.43	200 g	15 days	Codex / External
Metal Screen 9 for Codex	CODEX_METAL_SCREEN9	\$ 105.00	\$ 115.50	200 g	15 days	Codex / External
Codex testing for PMS	CODEX_PMS	\$ 304.50	\$ 334.95	200 g	15 days	Codex / External
Codex testing for potassium bicarbonate	CODEX_POT_BICARB	\$ 225.75	\$ 248.33	200 g	15 days	Codex / External
Codex testing for potassium carbonate	CODEX_POT_CARB	\$ 278.25	\$ 306.08	200 g	15 days	Codex / External
Codex testing for potassium sorbate	CODEX_POT_SORB	\$ 304.50	\$ 334.95	200 g	15 days	Codex / External
Codex testing for PVPP	CODEX_PVPP	\$ 435.75	\$ 479.33	200 g	15 days	Codex / External
Codex testing for Tartaric acid	CODEX_TARTARIC	\$ 603.75	\$ 664.13	200 g	15 days	Codex / External
Codex testing for thiamine hydrochloride	CODEX_THIAMINE_HYDRO	\$ 756.00	\$ 831.60	200 g	15 days	Codex / External
Cold stability	COLD	\$ 24.15	\$ 26.57	200 mL	4 days	-4 °C bath
Cold and heat stability	STABILITY_COMBO	\$ 42.00	\$ 46.20	200 mL	4 days	-4 & 80 °C baths
Red grape colour profile using modified somers	COL_PROFILE_RG	\$ 42.00	\$ 46.20	200 berries	48 hours	UV-Vis
Red wine colour profile using modified somers	COL_PROFILE_RW	\$ 21.00	\$ 23.10	20 mL	48 hours	UV-Vis
Red wine colour profile with tannin	COL_TAN_PROFILE_RW	\$ 26.25	\$ 28.88	20 mL	48 hours	UV-Vis

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Colour intensity OIV (calculation with 420 nm, 520 nm & 620 nm)*	COLOUR_OIV	\$ 10.50	\$ 11.55	10 mL	24 hours	Calculation
Conductivity	CONDUCTIVITY	\$ 10.50	\$ 11.55	100 mL	24 hours	Conductivity
Copper	COPPER_ICP	\$ 31.50	\$ 34.65	15 mL	48 hours	ICP/MS
Copper (juice or grapes)	COPPER_AA	\$ 28.35	\$ 31.19	25mL/200g	48 hours	AAS
Cyanide (as total cyanide)	CYANIDE	\$ 194.25	\$ 213.68	155 mL	15 days	External
<b>D</b>						
2,4 - D (wine)	2_4D-01	\$ 194.25	\$ 213.68	100 mL	10 days	LC/MS/MS
2,4 - D (grapes)	2_4D-02	\$ 210.00	\$ 231.00	500 g	10 days	LC/MS/MS
DAP purity	DAP_PURITY	\$ 18.90	\$ 20.79	5 g	48 hours	Titration
Density	DENSITY	\$ 21.00	\$ 23.10	25 mL	24 hours	Density meter
Diacetyl	DIACETYL	\$ 170.10	\$ 187.11	50 mL	10 days	GCMS
Dithiocarbamates (as CS <sub>2</sub> )	DITHIOCARBAMATES	\$ 207.90	\$ 228.69	500 mL	20 days	External
Dissolved oxygen and carbon dioxide	CO2_O2	\$ 18.90	\$ 20.79	750 mL	24 hours	Cbox
Dry matter (berries)	DRY_MATTER	\$ 26.25	\$ 28.87	50g	48 hours	
<b>E</b>						
Egg white protein residue	EGG	\$ 115.50	\$ 127.05	10 mL	72 hours	ELISA kit
Egg white and milk protein residue	EGG_MILK	\$ 210.00	\$ 231.00	10 mL	72 hours	ELISA kit
Ellagitannins	ELLAGITANNINS	\$ 136.50	\$ 150.15	Contact Customer Service		HPLC
Energy value calculation (calorie or kilojoules)*	ENERGY_CALORIES / KJ	\$ 10.50	\$ 11.55	N/A	24 hours	Calculation
Energy value for dry wines (calorie or kilojoules, calculation with alcohol & glucose + fructose)	ENERGY_CAL_DRY ENERGY_KJ_DRY	\$ 31.50	\$ 34.65	750 mL	24 hours	WineScan
Energy value for sparkling wines (calorie or kilojoules, calculation with alcohol & glucose + fructose)	ENERGY_CAL_SPARKLING ENERGY_KJ_SPARKLING	\$ 66.15	\$ 72.77	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	\$ 60.90	\$ 66.99	750 mL	24 hours	NIR / Enzymatic
Erythorbic acid by HPLC	ERYTHORBIC	\$ 69.30	\$ 76.23	10 mL	72 hours	HPLC
Erythorbic purity	ERYTHORBIC_PURITY	\$ 18.90	\$ 20.79	5 g	48 hours	Titration
Ethanol	ETHANOL_GC	\$ 173.25	\$ 190.58	155 mL	15 days	GCMS/EXTERNAL
Ethyl acetate	ETHYL_ACETATE	\$ 173.25	\$ 190.58	155 mL	15 days	GCMS/EXTERNAL
Ethyl carbamate	ETHYL_CARB	\$ 189.00	\$ 207.90	100 mL	10 days	GCMS
Ethylene glycol (included in glycol group)	ETHYLENE_GLYCOL	\$ 241.50	\$ 265.65	155 mL	15 days	GCMS/EXTERNAL
4-ethylphenol & 4-ethylguaiaicol (wine)	4EP-01	\$ 89.25	\$ 98.18	50 mL	4 - 7 days	GCMS
Eucalyptol (1,8-cineole)	EUCALYPTOL	\$ 136.50	\$ 150.15	50 mL	10 days	GCMS
Extraction force	EXTRACTION_F	\$ 14.70	\$ 16.17	750 mL	24 hours	Extraction gauge
<b>F</b>						
Filterability	FILTERABILITY	\$ 31.50	\$ 34.65	750 mL	24 hours	Filtration apparatus
Fluazinam in wine	FLUAZINAM-01	\$ 193.20	\$ 212.52	50mL	15 days	External / TAL
Fluazinam in grapes	FLUAZINAM-02	\$ 219.45	\$ 241.40	50mL	15 days	External /TAL
Fluoride	FLOURIDE	\$ 141.75	\$ 155.93	155 mL	15 days	ISE
Fructose	FRUCTOSE	\$ 30.45	\$ 33.50	10 mL	24 hours	Enzymatic
Fructose by HPLC	FRUCTOSE_HPLC	\$ 63.00	\$ 69.30	10 mL	72 hours	HPLC
<b>G</b>						
Geosmin	GEOSMIN	\$ 158.55	\$ 174.41	50 mL	15 days	External
Glucose + Fructose	GLU_FRU	\$ 31.50	\$ 34.65	10 mL	24 hours	Enzymatic
Glucose + Fructose by Winescan (wines < 30 g/L sugar)	GLU_FRU_WS	\$ 10.50	\$ 11.55	100 mL	24 hours	WineScan
Glucose	GLUCOSE	\$ 30.45	\$ 33.50	10 mL	24 hours	Enzymatic
Glucose by HPLC	GLUCOSE_HPLC	\$ 63.00	\$ 69.30	10 mL	72 hours	HPLC
Glycerol	GLYCEROL_HPLC	\$ 63.00	\$ 69.30	10 mL	72 hours	HPLC
Glycol (Propylene glycol, ethylene glycol, diethylene glycol)	GLYCOLS	\$ 309.75	\$ 340.73	155 mL	15 days	GCMS
<b>H</b>						
Halogenated phenols - quantitative (amount present) (wine)	HALOPH-01	\$ 299.25	\$ 329.18	500 mL	10 days	GCMS
Halogenated phenols - quantitative (amount present) (solids)	HALOPH-02	\$ 441.00	\$ 485.10	20 g	15 days	GCMS
Heat stability	HEAT	\$ 24.15	\$ 26.57	100 mL	48 hours	80 °C bath
Heat and cold stability	STABILITY_COMBO	\$ 42.00	\$ 46.20	200 mL	4 days	-4 & 80 °C baths

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Higher alcohols	HIALCOHOL	\$ 173.25	\$ 190.58	155 mL	15 days	GCMS
Homogenise	HOMOGENISE	\$ 26.25	\$ 28.88	200 g	24 hours	Retsch
Histamine and Tyramine	HIST-01	\$ 138.60	\$ 152.46	50mL	10 days	External/TAL
<b>I</b>						
Indole	INDOLE	\$ 173.25	\$ 190.58	50 mL	10 days	GCMS
IR Investigation of crystals	IR_INVEST	\$ 189.00	\$ 207.90	1 g	5 days	FTIR
Iron	IRON_ICP	\$ 31.50	\$ 34.65	15 mL	48 hours	ICP
Iron (juice or grapes)	IRON_AA	\$ 28.35	\$ 31.19	25mL/200g	48 hours	AAS
<b>L</b>						
Laccase activity	LACCASE	\$ 44.10	\$ 48.51	20 mL	24 hours	Laccase kit
Lactic acid	LACTIC_HPLC	\$ 63.00	\$ 69.30	10 mL	72 hours	HPLC
Lead (fortifieds, juice and ferments)	LEAD	\$ 115.50	\$ 127.05	155mL	15 days	External
Low molecular weight sulfides	LMWS	\$ 194.25	\$ 213.68	100 mL	10 days	GC-SCD
<b>M</b>						
Malic acid	MALIC	\$ 26.25	\$ 28.88	10 mL	24 hours	Enzymatic
Malic acid by WineScan (wines < 30 g/L sugar)	MALIC_WS	\$ 10.50	\$ 11.55	100 mL	24 hours	WineScan
Malic acid by HPLC	MALIC_HPLC	\$ 63.00	\$ 69.30	10 mL	72 hours	HPLC
Malic acid purity	MALIC_PURITY	\$ 18.90	\$ 20.79	5 g	48 hours	Titration
Malvidin-3-5-diglucoside (quantitative amount present)	MALVIDIN-3-5-DIGLUC	\$ 101.85	\$ 112.04	10 mL	72 hours	HPLC
Manganese (wine)	MANGANESE_ICP	\$ 31.50	\$ 34.65	15 mL	48 hours	ICP/MS
Manganese (juice or grapes)	MANGANESE_AA	\$ 42.00	\$ 46.20	300 mL/300 g	48 hours	AAS
Mercury	MERCURY	\$ 115.50	\$ 127.05	155 mL	15 days	External
Metals (copper & iron by ICP)	METALS2	\$ 52.50	\$ 57.75	155ml	48 hours	ICP/MS
Metals group (6 metals by ICP) - calcium, potassium, sodium, iron, copper & manganese	METALS_GROUP	\$ 68.25	\$ 75.08	15 mL	48 hours	ICP/MS
Metals for China (manganese, copper & iron)	METALS_CHINA	\$ 68.25	\$ 75.08	15 mL	48 hours	ICP/MS
Metal Screen by ICP (20 metals group by ICP) As,Cd,Ca,Cr,Co,Cu,Fe,Pb,Li,Mn,Mg,Ni,K,Se,Ag,Na,Sr,Sn,V,Zn	METALS_SCREEN	\$ 105.00	\$ 115.50	15 mL	48 hours	ICP/MS
Metals Screen Single (1 of 14 metals) (Wine Only)1-3 As,Cd,Cr,Co,Pb,Li,Mg,Ni,Se,Ag,Sr,Sn,V,Zn	METALS_SCREEN_SINGLE	\$ 31.50	\$ 34.65	15mL	48 hours	ICP
Metal Screen 9 (Sb, As, Cd, Cu, Pb, Hg, Se, Sn, Zn)	METAL_SCREEN9	\$ 147.00	\$ 161.70	155 mL	15 days	External
Methanol	METHANOL_GC	\$ 89.25	\$ 98.18	25ml	10 days	GCMS
Methanol by GC (calculation only) (mg MeOH/L EtOH)	METHANOL_GC_CALC	\$ 10.50	\$ 11.55	TBC	TBC	
Methanol by GC (mg MeOH/L) (Includes Alcohol by WineScan and Methanol)	METHANOL_CALC_DRY	\$ 110.25	\$ 121.28	100ml	10 days	GCMS
Methanol by GC in mg MeOH/L EtOH for Sweet and sparkling wine >30g/L sugar (Includes Alcohol by NIR and Methanol)	METHANOL_GC_CALC_SW	\$ 118.65	\$ 130.52	100ml	10 days	GCMS
Methoxypyrazines (wine)	METHOXY-01	\$ 168.00	\$ 184.80	50 mL	10 days	GCMS
Methoxypyrazines (grapes)	METHOXY-02	\$ 199.50	\$ 219.45	500 g	10 days	GCMS
Microorganism ID	MICRO_ID	\$ 210.00	\$ 231.00	750 mL	5-10 days	DNA sequencing
Microscopic perusal	MICRO_PERUSAL	\$ 57.75	\$ 63.53	750 mL	24 hours	Microscope
Milk protein residue	MILK	\$ 115.50	\$ 127.05	10 mL	72 hours	Milk ELISA kit
Milk and egg white protein residue	ALLERGEN_COMBO	\$ 210.00	\$ 231.00	10 mL	48 hours	ELISA kit
Multi-residue assay LCMS (wine)	LCMS-01	\$ 194.25	\$ 213.68	100 mL	10 days	LC/MS/MS
Multi-residue assay LCMS (grapes & juice)	LCMS-02	\$ 231.00	\$ 254.10	500 g	10 days	LC/MS/MS
Multi-residue assay LCMS (liquid non-wine)	LCMS-03	\$ 210.00	\$ 231.00	100 mL	10 days	LC/MS/MS
Multi-residue assay LCMS (solids)	LCMS-04	\$ 246.75	\$ 271.43	500 g	10 days	LC/MS/MS
<b>N</b>						
Naphthalene	NAPHTHALENE	\$ 110.25	\$ 121.28	25 mL	10 days	GCMS
Natamycin	NATAMYCIN	\$ 163.80	\$ 180.18	50 mL	10 days	LC/MS/MS
Nitrates	NITRATES	\$ 136.50	\$ 150.15	155 mL	15 days	ICP/MS
Nitrites	NITRITES	\$ 136.50	\$ 150.15	155 mL	15 days	ICP/MS
Nutritional Panel (Protein, Carbohydrate, Sugars, Sodium, Energy)	NUTRIT_PANEL_DRY	\$ 267.75	\$ 294.53	750mL	15 days	External
<b>O</b>						
Oak flavour analysis (wine)	OAK-01	\$ 117.60	\$ 129.36	50 g	10 days	GCMS
Oak flavour analysis (chips)	OAK-02	\$ 130.20	\$ 143.22	20 mL	10 days	GCMS

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Ochratoxin A	OCHRATOXIN_A	\$ 168.00	\$ 184.80	50 mL	10 days	HPLC/FLD
Optical density (currently offer 250, 270, 280, 290, 315, 320, 420, 450, 490, 520, 620 nm - other wavelengths available on request)	OD_NUMBER	\$ 8.40	\$ 9.24	10 mL	24 hours	UV-Vis
Optical rotation	OPTICAL_ROTATION	\$ 126.00	\$ 138.60	50 g	5 days	Polarimeter
Organic acid profile (citric, tartaric, malic, lactic, acetic, succinic, glucose, fructose, and glycerol)	ORGANIC_ACID_PROFILE	\$ 94.50	\$ 103.95	10 mL	72 hours	HPLC
Oxidation aldehydes	OXIDATION_ALDEHYDES	\$ 183.75	\$ 202.13	100mL	15 days	External / TAL
<b>P</b>						
pH	PH	\$ 8.40	\$ 9.24	25 mL	24 hours	Titramaster
pH (wines < 30 g/L sugar only)	PH_WS	\$ 7.35	\$ 8.09	100 mL	24 hours	WineScan
Phenolics for white wine	PHENOLICS_WHITE	\$ 8.40	\$ 9.24	10 mL	24 hours	UV-Vis
Phenoxy Acid Herbicides Screen	PHENOXY_ACID_HERBIC	\$ 315.00	\$ 346.50	155mL	15 days	External
Phosphates (as PO <sub>4</sub> )	PHOSPHATES	\$ 136.50	\$ 150.15	155 mL	15 days	ICP/MS
Phosphorous acid	PHOSPHOROUS_ACID-01	\$ 315.00	\$ 346.50	155 mL	10 days	External
Phosphorous acid (DAP)	PHOSPHOROUS_ACID-02	\$ 315.00	\$ 346.50	155 mL	10 days	External
Phosphorus	PHOSPHORUS	\$ 194.25	\$ 213.68	155 mL	15 days	ICP/MS
Phthalates/plasticisers	PTHALATES	\$ 304.50	\$ 334.95	100 mL	15 days	External
Pinking susceptibility	PINKING	\$ 40.95	\$ 45.05	750 mL	48 hours	UV-Vis
Pinot G	PINOT_G	\$ 304.50	\$ 334.95	750mL	5 days	WineScan
Potassium	POTASSIUM_ICP	\$ 31.50	\$ 34.65	25 mL	48 hours	ICP/MS
Potassium (juice or grapes)	POTASSIUM_AA	\$ 28.35	\$ 31.19	25mL/200g	48 hours	AAS
Potassium bicarbonate purity	POTBICARB_PURITY	\$ 18.90	\$ 20.79	5 g	48 hours	Titration
Potassium carbonate purity	POTCARB_PURITY	\$ 18.90	\$ 20.79	5 g	48 hours	Titration
Potassium sorbate purity	POTSORB_PURITY	\$ 18.90	\$ 20.79	5 g	48 hours	Titration
Protein	PROTEIN	\$ 110.25	\$ 121.28	155 mL	15 days	External
<b>R</b>						
Re-issue Fee	RE_ISSUE_FEE	\$ 31.50	\$ 34.65			
Red grape vintage panel (brix, pH, titratable acidity pH 8.2 & yeast assimilable nitrogen by enzymatic assay)	RG_VINTAGE_PANEL-01	\$ 57.75	\$ 63.53	200 berries/50 mL	24 hours	Refractometer/ Titramaster/ Enzymatic
Red grape vintage panel with anthocyanins, phenolics and tannins (includes items as above)	RG_VINTAGE_PANEL-02	\$ 94.50	\$ 103.95	200 berries	48 hours	Refractometer/ Titramaster/ Enzymatic
Reducing sugar (rebelein)	REDUCING_SUGAR	\$ 26.25	\$ 28.88	25 mL	24 hours	Rebelein
Resveratrol and piceid	RES-01	\$ 126.00	\$ 138.60	20 mL	10 days	HPLC
Rhodamine	RHODAMINE	\$ 267.75	\$ 294.53	200 mL + Brine sample	10 days	LC/MS/MS
Rotundone	ROTUNDONE	\$ 189.00	\$ 207.90	100mL	15 days	External/TAL
<b>S</b>						
Saturation Temperature	SATURATION_TEMP	\$ 10.50	\$ 11.55	200 mL	48 hours	Conductivity
Selenium (Codex testing)	SELENIUM_CODEX	\$ 115.50	\$ 127.05	155 mL	15 days	External
Sensory (quality assessment panel)	SENSORY_QUALITY	\$ 367.50	\$ 404.25	2 x 750 mL	10 days	Organoleptic
Smoke taint panel (wine)	SMOKE_PANEL-01	\$ 259.35	\$ 285.29	250 g / 50mL	10 days	GCMS/LC/MS
Smoke taint panel (grapes)	SMOKE_PANEL-02	\$ 309.75	\$ 340.73	250 g / 50mL	10 days	GCMS/LC/MS
Smoke taint panel (juice)	SMOKE_PANEL-03	\$ 290.85	\$ 319.94	250 g / 50mL	10 days	GCMS/LC/MS
Sodium	SODIUM_ICP	\$ 31.50	\$ 34.65	15 mL	48 hours	ICP/MS
Sodium (juice or grapes)	SODIUM_AA	\$ 28.35	\$ 31.19	25mL/200g	48 hours	AAS
Sodium chloride (as NaCl)	SODIUM_CHLORIDE	\$ 136.50	\$ 150.15	155 mL	15 days	ICP/MS
Sorbic acid	SORBIC	\$ 27.30	\$ 30.03	10 mL	24 hours	UV-Vis
Specific gravity 20/20C	SG	\$ 21.00	\$ 23.10	25 mL	24 hours	Density meter
Specific gravity 20/20C (wines < 30 g/L sugar only)	SG_WS	\$ 10.50	\$ 11.55	100 mL	24 hours	WineScan
Stability package (heat & cold stability)	STABILITY_COMBO	\$ 42.00	\$ 46.20	300 mL	4 days	-4 & 80 °C baths
Sterility check (10 day plating)	STERILITY	\$ 84.00	\$ 92.40	750 mL	12 days	Filter/Incubate
Succinic acid	SUCCINIC_HPLC	\$ 63.00	\$ 69.30	10 mL	72 hours	HPLC
Sucrose (rebelein)	SUCROSE	\$ 36.75	\$ 40.43	25 mL	24 hours	Rebelein
Sugar content total (including sucrose & reducing sugar)	SUGARTOTAL	\$ 36.75	\$ 40.43	25 mL	24 hours	Rebelein
Sugar free extract (calculation with total dry extract & sucrose)*	SFE_CALC	\$ 10.50	\$ 11.55	N/A	24 hours	Calculation

Analysis	Item code	Price Per Sample	Price Per Sample	Minimum volume	Estimated turnaround	Instrument/ method used
Sugar free extract for dry wines (including SG, VA, TSO2, Sucrose and Alcohol)*	SFE_DRY	\$ 114.45	\$ 125.90	750mL	48 hours	Various
Sugar free extract for semi-sweet and sparkling wines (including SG, VA, TSO2, Sucrose and Alcohol)*	SFE_SEMI-SWEET	\$ 159.60	\$ 175.56	750mL	48 hours	Various
Sugar free extract for sweet wines (including SG, VA, TSO2, Sucrose and Alcohol)*	SFE_SWEET	\$ 159.60	\$ 175.56	750mL	48 hours	Various
Sulfate (as K <sub>2</sub> SO <sub>4</sub> )	SULFATE	\$ 136.50	\$ 150.15	155 mL	15 days	ICP/MS
Sulfur dioxide (free & total)	SO2_FIA	\$ 25.20	\$ 27.72	10 mL	24 hours	FIA
Sulfur dioxide (free)	SO2_FIA_FREE	\$ 14.70	\$ 16.17	10 mL	24 hours	FIA
Sulfur dioxide (total)	SO2_FIA_TOTAL	\$ 14.70	\$ 16.17	10 mL	24 hours	FIA
Sulfur dioxide (free & total)	SO2_REF	\$ 31.50	\$ 34.65	50 mL	24 hours	Aspiration
Sulfur dioxide (free)	SO2_REF_FREE	\$ 21.00	\$ 23.10	50 mL	24 hours	Aspiration
Sulfur dioxide (total)	SO2_REF_TOTAL	\$ 21.00	\$ 23.10	50 mL	24 hours	Aspiration
<b>T</b>						
Taint vials (per vial)	TAINT	\$ 23.10	\$ 25.41	N/A	5 days	N/A
Taint vials (set of all 12 vials)	TAINT_ALL_VIALS	\$ 277.20	\$ 304.92	N/A	5 days	N/A
Tannins (red grapes)	TANNIN_RG	\$ 29.40	\$ 32.34	200 berries	48 hours	UV-Vis
Tannins (red wine)	TANNIN_RW	\$ 10.50	\$ 11.55	20 mL	48 hours	UV-Vis
Tartaric acid	TARTARIC_HPLC	\$ 63.00	\$ 69.30	10 mL	72 hours	HPLC
Tartaric acid purity	TARTARIC_PURITY	\$ 18.90	\$ 20.79	5 g	48 hours	Titration
TCA/TBA/TeCA (wine)	TCA-01	\$ 158.55	\$ 174.41	50 mL	10 days	GCMS
TCA/TBA/TeCA (chips)	TCA-02	\$ 172.20	\$ 189.42	20 g	10 days	GCMS
TCA/TBA/TeCA (cork)	TCA-03	\$ 168.00	\$ 184.80	20 g	10 days	GCMS
Titrateable acidity pH 7.0	TA70_TIM	\$ 8.40	\$ 9.24	50 mL	24 hours	Titramaster
Titrateable acidity pH 7.0 (wines < 30 g/L sugar only)	TA70_WS	\$ 7.35	\$ 8.09	100 mL	24 hours	WineScan
Titrateable acidity pH 8.2	TA82_TIM	\$ 8.40	\$ 9.24	50 mL	24 hours	Titramaster
Titrateable acidity pH 8.2 (wines < 30 g/L sugar only)	TA82_WS	\$ 7.35	\$ 8.09	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	\$ 15.75	\$ 17.33	50 mL	24 hours	Titramaster
Torque	TORQUE	\$ 10.50	\$ 11.55	1 x bottle	24 hours	Capstar
Total acidity as sulfuric acid (calculation with titrateable acidity)*	TA_H2S04	\$ 10.50	\$ 11.55	50 mL	24 hours	Calculation
Total acidity - meq/L (calculation with titrateable acidity & pH 8.2)*	TA_MEQL	\$ 10.50	\$ 11.55	N/A	24 hours	Calculation
Total dry extract (calculation with specific gravity, volatile acidity, total SO2 & alcohol)*	TDE_CALC	\$ 10.50	\$ 11.55	N/A	24 hours	Calculation
Total dry extract for dry wines (including specific gravity, VA, Total SO2 and alcohol)*	TDE_DRY	\$ 67.20	\$ 73.92	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	\$ 112.35	\$ 123.59	N/A	24 hours	Various
Total dry extract for sweet wines (including specific gravity, VA, Total SO2 and alcohol)*	TDE_SWEET	\$ 118.65	\$ 130.52	N/A	24 hours	Various
Turbidity	TURBIDITY	\$ 12.60	\$ 13.86	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	\$ 8.40	\$ 9.24	10 mL	24 hours	UV-Vis
<b>V</b>						
Volatile acidity (markham stills)	VA_R	\$ 42.00	\$ 46.20	25 mL	24 hours	Markham still
Volatile acidity - meq/L (calculation with volatile acidity by markham still, enzymatic or WineScan)*	VA_MEQL	\$ 10.50	\$ 11.55	Depends on wine type	24 hours	Calculation
Volatile acidity as sulfuric acid (calculation with volatile acidity)*	VA_H2S04	\$ 10.50	\$ 11.55	50 mL	24 hours	Calculation
Volatile fatty acids	VOLATILE_FATTY_ACIDS	\$ 315.00	\$ 346.50	Contact Customer Service		External
Volatile thiols	VOLATILE_THIOLS	\$ 262.50	\$ 288.75	Contact Customer Service		External
Volatile thiol precursors	VOLATILE_THIOL_PREC	\$ 262.50	\$ 288.75	Contact Customer Service		External
Volume check	VOLUME_CHECK	\$ 42.95	\$ 47.25	750 mL	24 hours	Scales
<b>W</b>						
White wine spectral (OD 280nm / 320nm / 420nm)	WHITE_WINE_SPECTRAL	\$ 21.00	\$ 23.10	10 mL	24 hours	UV-Vis
White grape vintage panel (brix, pH, titrateable acidity pH 8.2 & yeast assimilable nitrogen by enzymatic assay)	WG_VINTAGE_PANEL	\$ 57.75	\$ 63.53	200 berries / 50 mL	24 hours	Refractometer/ Titramaster/ Enzymatic

<i>Analysis</i>	<i>Item code</i>	<i>Price Per Sample</i>	<i>Price Per Sample</i>	<i>Minimum volume</i>	<i>Estimated turnaround</i>	<i>Instrument/ method used</i>
White wine colour (phenolics only)	PHENOLICS_WHITE	\$ 8.40	\$ 9.24	10 mL	24 hours	UV-VIS
Wine aroma compounds	WINE_AROMA	\$ 141.75	\$ 155.93	50 mL	10 days	GCMS
WineScan (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	\$ 52.50	\$ 57.75	100 mL	24 hours	WineScan
WineScan suite with spectra data	WINESCAN_SPECTRA	\$ 63.00	\$ 69.30	100 mL	24 hours	WineScan
<b>Y</b>						
Yeast assimilable nitrogen (enzymatic)	YAN	\$ 36.75	\$ 40.43	10 mL	24 hours	Enzymatic
Yeast count	YEAST_COUNT	\$ 26.25	\$ 28.88	250 mL	24 hours	Haemocytometer /Microscope
<b>Zinc</b>						
Zinc (fortifieds, juice and ferments)	ZINC	\$ 115.50	\$ 127.05	155mL	15 days	ICP/MS
*Calculation may require other analytical parameters in order to obtain result						



## Price List Commercial Services Beer, Hops and Water Analyses

Analysis	Item code	Price Per Sample	Price Per Sample	Minimum volume required	Estimated turnaround	Instrument/method used
<b>A</b>						
Alcohol by NIR for Beer	ALC_NIR_BEER	\$ 18.90	\$ 20.79	50 mL	24 hours	NIR
Alpha and Beta hops acids (HPLC)	HOPS_ACIDS	\$ 147.00	\$ 161.70	40 g	Beer	
<b>B</b>						
Beer aroma	BEER_AROMA	\$ 141.75	\$ 155.92	50mL	10 days	
Beer volatiles	BEER_VOLATILES	\$ 89.25	\$ 98.17	20mL	10 days	
Beer Veriflow	BEER_VERIFLOW	\$ 84.00	\$ 88.20	750mL	48 hours	
Brix by density meter for Beer	BRIX_BEER	\$ 10.50	\$ 11.55	10mL	24 hours	
Bitterness for Beer	IBU_BEER	\$ 26.25	\$ 28.88	50mL	24 hours	
<b>C</b>						
Calcium by ICP for Beer	CALCIUM_ICP_BEER	\$ 31.50	\$ 34.65	15 mL	48 hours	ICP/MS
Carbon dioxide and dissolved oxygen for Beer	CO2_O2_BEER	\$ 18.90	\$ 20.79	1 full can/bottle (min 150mL)	24 hours	Cbox
Chill Haze	CHILL_HAZE_BEER	\$ 26.57	\$ 29.22	200mL	3 days	
Chloride (mg/LCl) (Water)	CHLORO_WATER	\$ 17.00	\$ 18.70	100mL	24 hours	
Colour for Beer (430nm)	COLOUR_BEER	\$ 10.50	\$ 11.55	20mL	24 hours	UV_Vis_Cary
<b>H</b>						
Hop oil profile by GC	HOP_OIL_PROFILE	\$ 231.00	\$ 254.10	200 g	15 days	
<b>M</b>						
Malic acid (enzymatic) for Beer	MALIC_BEER	\$ 26.25	\$ 28.88	10 mL	24 hours	Enzymatic
Metals (NA, K, Ca, Mg, Fe)	METALS_WATER	\$ 68.25	\$ 75.08	15mL	48 hours	
Moisture content in hops	MOISTURE_CONT_HOPS	\$ 47.25	\$ 51.98	30g	5 days	
<b>P</b>						
pH measurement (Titrameter) for Beer	PH_BEER	\$ 8.40	\$ 9.24	25 mL	24 hours	Titrameter
Plato by density meter for beer	PLATO_BEER	\$ 10.50	\$ 11.55	20mL	24 hours	Density Meter
<b>S</b>						
Spoilage Beer - Screen for typical beer spoilage	SPOILAGE_BEER	\$ 81.14	\$ 89.25	300mL	10 days	Filter/Incubate
Sterility check for Beer	STERILITY_BEER	\$ 68.25	\$ 75.08	300mL	10 days	Filter/Incubate
Sterility check for Water	STERILITY_WATER	\$ 68.25	\$ 75.08	300mL	10 days	Filter/Incubate
Sulfate (mg/L)	SULFATE_WATER	\$ 17.00	\$ 18.70	100MI	24 hours	
Sugars Glucose and Fructose by HPLC for Beer	SUGARS_HPLC_BEER	\$ 73.50	\$ 80.85	10mL	72 hours	HPLC
Sulphur dioxide Free and total by Aspiration for Beer	SO2_REF_BEER	\$ 31.50	\$ 23.10	50 mL	24 hours	Aspiration
<b>T</b>						
Total Acidity (as % lactic acid)	TA_LACTIC_BEER	\$ 23.10	\$ 25.41	50mL	24 hours	
Total alkalinity (including carbonate and bicarbonate)	TALK_WATER	\$ 21.00	\$ 23.10	150mL	48 hours	
Total dissolved solids (TDS)	TDS_WATER	\$ 11.00	\$ 12.10	100mL	24 hours	
Total essential oils in hops by steam distillation	TOTAL_ESSENTIAL_OILS	\$ 84.00	\$ 92.40	200g	15 days	
Total Hardness (including Ca and Mg)	TH_WATER	\$ 68.25	\$ 75.08	15mL	48 hours	
Turbidity	TURBIDITY_BEER	\$ 12.60	\$ 13.86	50 mL	24 hours	Nephelometer
<b>U</b>						
Urgent fee	30% - 50% per analysis			N/A	Contact Customer Service	
<b>V</b>						
Acetic acid (Volatile Acid as)	VDK	\$ 157.50	\$ 173.25	50mL	15 days	
*Calculation may require other analytical parameters in order to obtain result						





Price List  
 Commercial Services  
**Spirits**

Analysis	Login code	Price per sample	Price per sample (inc)	Minimum volume required	Estimated turnaround time
<b>A</b>					
Acetone	ACETONE	\$ 346.50	\$ 381.15	155 mL	15 days
Alcohol by densitometry	ALCD	\$ 31.50	\$ 34.65	250 mL	24 hours
<b>B</b>					
BTEX (includes Benzene, Toluene, Ethyl Benzene)	BTEX	\$ 215.00	\$ 236.50	155 mL	15 days
<b>C</b>					
Calcium	CALCIUM_AA	\$ 28.35	\$ 31.18	25 mL	48 hours
Copper	COPPER-AA	\$ 28.35	\$ 31.18	25 mL	48 hours
<b>E</b>					
Ethyl acetate	ETHYL_ACETATE	\$ 173.25	\$ 190.58	155 mL	15 days
Ethyl carbamate	ETHYL_CARB	\$ 189.00	\$ 207.90	100 mL	10 days
<b>F</b>					
Formaldehyde (spirit testing)	FORMALDEHYDE	\$ 425.25	\$ 467.78	155mL	15 days
<b>H</b>					
Higher alcohols (includes Ethyl acetate, iso-Butanol, iso-amyl-Alcohol, Methanol, n-butanol)	HIALCOHOL	\$ 173.25	\$ 190.58	155 mL	15 days
<b>I</b>					
Iron	IRON_AA	\$ 28.35	\$ 31.19	25 mL	48 hours
<b>M</b>					
Magnesium	MAGNESIUM	\$ 115.50	\$ 127.05	155 mL	15 days
Methanol	METHANOL_GC	\$ 89.25	\$ 98.18	155 mL	15 days
<b>N</b>					
Nitrates	NITRATES	\$ 136.50	\$ 150.15	155 mL	15 days
Nitrites	NITRITES	\$ 136.50	\$ 150.15	155 mL	15 days
<b>O</b>					
Oak flavour analysis (includes 4-Ethylphenol, 4-Ethylguaiaicol, 4-Methylguaiaicol, 5-methylfural, oak lactones (cis- and trans-), Eugenol, Furfural, Guaiaicol, Vanillan)	OAK-01	\$ 117.60	\$ 129.36	20 mL	10 days
<b>Z</b>					
Zinc	ZN	\$ 115.50	\$ 127.05	155 mL	15 days
Blue = analysis sent to an external laboratory					