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### Method Uncertainty Data (WA)

Procedure	Determinant	Applicable Sample Types	Technique	Range	Measurement Uncertainty
VLM1	Acetic Acid	Beer; Carbonate Alcoholic Beverages; Fortifieds; Liqueurs; Sparkling Wine; Spirits; Wine	Classical	>0.10 g/L	±0.05 g/L
VLM3	Sugars	Beer; Fortifieds; Fruit Juice Concentrates; Liqueurs; Must; Spirits; Wine	Autoenzymatic analyser; Classical	>0.10 g/L	±0.27 g/L
VLM4	Malic Acid	Beer; Carbonate Alcoholic Beverages; Fortifieds; Liqueurs; Sparkling Wine; Spirits; Wine	Autoenzymatic analyser; Classical	>0.05 g/L	±0.25 g/L
VLM5	pH	Alcoholic Beverages; Fruit Juice Concentrates; Fruit Juices	Classical	All	±0.08
VLM8	Sulphur Dioxide	Alcoholic Beverages; Beer; Fortifieds; Fruit Juice Concentrates; Fruit Juices; Liqueurs; Must; Spirits; Wine	Classical	Free - All	±1.5 mg/L
				Total - All	±3.4 mg/L
VLM9	Titrateable Acidity	Alcoholic Beverages; Beer; Fortifieds; Fruit Juice Concentrates; Fruit Juices; Liqueurs; Must; Spirits; Wine	Classical	All	±0.15 g/L
VLM11	Specific Gravity & Density	Alcoholic Beverages; Beer; Fortifieds; Fruit Juice Concentrates; Fruit Juices; Liqueurs; Must; Spirits; Wine	Classical	0.9900 - 1.1000	±0.00031 SG units
VLM17	Citric Acid	Alcoholic Beverages; Beer; Fortifieds; Fruit Juice Concentrates; Fruit Juices; Liqueurs; Must; Spirits; Wine	Autoenzymatic analyser; Classical	0.1 - 0.40 g/L	0.19 g/L
VLM25	Alcohol - Total Strength	Alcoholic Beverages; Fruit Juice Concentrates; Fruit Juices	Classical	10 - 20 % v/v	Expanded Uncertainty: ± 0.1 % v/v (est)*
VLM26	Total Dry Extract	Alcoholic Beverages; Fruit Juice Concentrates; Fruit Juices	Classical	Nomograph (SG < 1.025)	Repeatability: 1 g/L; Expanded Uncertainty: ± 2 g/L*
				Densitometer (20 - 40 g/L)	Repeatability: 0.18 g/L; Expanded Uncertainty: ± 0.36 g/L*
VLM27	Sorbic Acid	Alcoholic Beverages; Fruit Juice Concentrates; Fruit Juices	Classical	10 - 70 mg/L	ND**
				70 - 300 mg/L	Repeatability: 10mg/L; Expanded Uncertainty: ±0.1x, where x is the sample concentration of sorbic acid in mg/L*
VLM33	Alcohol	Alcoholic Beverages; Beer; Fortifieds; Fruit Juice Concentrates; Fruit Juices; Liqueurs; Must; Spirits; Wine	Classical	0 - 20 % v/v	±0.08% v/v

\* Data under review

\*\* No data currently available.