

Type	Analysis	Volume
Juice Analysis	Brix, Refractometer (juice/must)	5 ml
	Brix, Hydrometer (must/wine)	250 ml
	pH	50 ml
	Total Titratable Acidity	50 ml
	YAN (Ammonia Nitrogen + NOPA)	50 ml
	Organic Acid Profile (acetic, citric, malic, tartaric)	50 ml
	Grape Sample Prep	
	Potential Alcohol	250 ml
Acid Analysis	Total Titratable Acidity	50 ml
	Volatile Acidity	50 ml
	Acetic Acid	50 ml
	Malic Acid	50 ml
	pH	50 ml
	Wine Adjustment Trials (acidification or de-acidification)	500 ml
	Citric Acid	50 ml
	Tartaric Acid	50 ml
	Organic Acid Profile (wine) (acetic, malic, succinic, tartaric)	50 ml
Sugar Analysis	Brix, Hydrometer	250 ml
	Brix, Refractometer	5 ml
	Glucose+Fructose, enzymatic (reported separately)	50 ml
Chemical Analysis	Alcohol, NIR	100 ml
	CO ₂	250 ml
	Ethyl Acetate	50 ml
	Methanol	50 ml
	Free SO ₂	50 ml
	Total SO ₂	50 ml
	Free & Total SO ₂	50 ml
	Potassium (ICP/MS)	50 ml
	Total Extract	50 ml
	Pectin	50 ml
	Absorbance @420 nm	50 ml
	Absorbance @520 nm	50 ml
Fining/Filtration	Cold Stability, modified mini contact (UC Davis conductivity)	250 ml
	Cold Stability, freeze/thaw	50 ml
	Heat Stability (protein), Incubation only	50 ml
	Bentonite Fining Trials, Set of 5	375 ml
	Filterability	Variable, Call for info
	Membrane clogging index	500 ml
	Turbidity	20 ml
Sensory Evaluation	An evaluation for defects including haze, statement of off-flavors/aromas, description of overall balance between fruit/acid/tannin, judgment of typical varietal characteristics and of overall character.	375 ml
Sulfide Detection and Treatment	Sulfide detection and treatment is implemented through the use of varying levels of ascorbic acid and copper sulfate followed by sensory based trials to determine the nature of, and treatment for, sulfide problems.	750 ml

All samples for analysis must be dropped off or mailed to Gusmer Analytical Services, 640 Airpark Road, Suite D, Napa, CA 94558. For any questions regarding samples or for the latest pricing please contact the Gusmer Napa Laboratory at 707.224.7903.

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