



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ETS LABORATORIES¹
899 Adams Street, Suite A
St. Helena, CA 94574
Gordon Burns Phone: 707 963 4806

CHEMICAL

Valid To: March 31, 2013

Certificate Number: 1257.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on beverages (including alcoholic beverages):

USING THE FOLLOWING TECHNOLOGIES:

Spectroscopy

Atomic Absorption
Fluorimetric
FTIR
Flow Injection
UV / Visible
NIR²

Physical Properties

Density

Electrochemical

Potentiometric Analysis

Wet Chemistry Measurements

Titrametric (Volumetric)
Gravimetric

Chromatography

Gas Chromatography
HPLC
Gas Chromatography / Mass Spectroscopy

Miscellaneous

Specific Ion Electrode Analysis²
Refractometer

PCR

Scorpions

PERFORMING THE FOLLOWING TESTS:

SOP Number

Title

A006	Volatile Acidity as Acetic Acid by Auto Sequential Analysis
A011	Malic Acid by Auto Sequential Analysis
A012	Glucose and Fructose by Auto Sequential Analysis
A013	Tartaric Acid by Auto Sequential Analysis
A014	Lactic Acid by Auto Sequential Analysis
A015	Ammonia by Auto Sequential Analysis
A017	Alpha Amino Nitrogen by Auto Sequential Analysis
A018	Citric Acid by Auto Sequential Analysis
A019	Glucose by Auto Sequential Analysis
A020	Reducing Sugar by Continuous Flow Analysis
A022	Ethanol, Titratable Acidity, pH and Glucose + Fructose in Wine by FTIR
A024	Free and Total Sulfur Dioxide by Flow Injection Analysis

<u>SOP Number</u>	<u>Title (cont)</u>
B001	Spoilage Yeast by Scorpions Assay
H001	Sorbic and Benzoic Acids by HPLC
H002	Ascorbic Acid by HPLC
H003	Ochratoxin A by HPLC
G001	Ethanol by GC/FID
G002	Higher Alcohols and Fusel Oils by GC/FID
M001	Copper in Wine and Juice by Flame Atomic Absorption
M002	Potassium in Wine and Juice by Flame Emission Atomic Absorption
M003	Calcium by Flame Atomic Absorption
M004	Iron by Flame Atomic Absorption
M005	Arsenic by Hydride-Generation / Graphite Furnace Atomic Absorption
M006	Lead by Graphite Furnace Atomic Absorption
S001	Actual Ethyl Carbamate
S002	Halogenated Anisoles by GC/MS
S003	4-Ethylphenol and 4-Ethylguaiaicol by GC/MS
W001	Density and Specific Gravity
W002	Total Dry Extract in Wine
W003	Hybrids by Fluorescence Qualitative
W005	Brix by Refractometer
W006	Volume Determination
W008	Free and Total Sulfur Dioxide by Aeration/Oxidation
W009	pH-Electrometric, Manual
W010	Titrateable Acidity – Manual Titration
W013	Reducing Sugar by Copper Reduction

¹ This accreditation covers testing performed at the main laboratory listed above, and the satellite laboratory indicated.

² These technologies are only performed at the Healdsburg location.

SATELLITE LAB LOCATED AT:

190 Foss Creek Circle, Suite G
 Healdsburg, CA 95448
 Phone: 707 433 7051

PERFORMING THE FOLLOWING TESTS:

<u>SOP Number</u>	<u>Title</u>
A006	Volatile Acidity as Acetic Acid by Auto Sequential Analysis
A011	Malic Acid by Auto Sequential Analysis
A012	Glucose and Fructose by Auto Sequential Analysis
A013	Tartaric Acid by Auto Sequential Analysis
A014	Lactic Acid by Auto Sequential Analysis
A015	Ammonia by Auto Sequential Analysis
A017	Alpha Amino Nitrogen by Auto Sequential Analysis
A018	Citric Acid by Auto Sequential Analysis
A019	Glucose by Auto Sequential Analysis
A022	Ethanol, Titrateable Acidity, pH and Glucose + Fructose in Wine by FTIR
A024	Free and Total Sulfur Dioxide by Flow Injection Analysis
W004	Fluoride by Ion Specific Electrode
W005	Brix by Refractometer
W008	Free and Total Sulfur Dioxide by Aeration/Oxidation
W009	pH-Electrometric, Manual
W010	Titrateable Acidity – Manual Titration
W015	Ethanol by Alcolyzer



World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

ETS LABORATORIES

St. Helena, CA

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 16th day of May 2011.



A handwritten signature in black ink, appearing to read "Peter Abney".

President & CEO
For the Accreditation Council
Certificate Number 1257.01
Valid to March 31, 2013

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.