



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

COLUMBIA CREST WINERY LABORATORY

Ste-Michelle Wine Estates  
Hwy 221, Columbia Crest Drive  
Paterson, WA 99345  
Hugo Rojas Phone: 509 480 3952

CHEMICAL

Valid To: July 31, 2019

Certificate Number: 2323.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on juice and wine.

USING THE FOLLOWING TECHNOLOGIES:

Electrochemical  
Potentiometric Analysis

Spectrometry  
Inductively Coupled Plasma  
Near Infrared  
UV/Visible

Physical Properties  
Density

Wet Chemistry Measurements  
Titrametric (Volumetric)

PERFORMING THE FOLLOWING TESTS:

<u>Method Number/Technologies</u>	<u>Title</u>
WAM-ACK-01/Spectrometry	Acetic Acid Analysis by the Enzymatic Method
WAM-NIR-02/Physical & Spectrometry	Alcohol, Specific Gravity, Dry Extract and Density by Anton-Paar Alcolyzer
WAM-CIT-02/Spectrometry	Citric Acid Analysis by the Enzymatic Method
WAM-COL-02/Spectrometry	Color Analysis by Spectrometry
WAM-GFE-02/Spectrometry	Glucose and Fructose Analysis by the Enzymatic Method
WAM-MAE-03/Spectrometry	L-Malic Acid Analysis by the Enzymatic Method
WAM-MET-02/Spectrometry	Metals (Ca, Cd, Cu, Fe, Na, K and Pb) by ICP Spectroscopy
WAM-SFA-01/Spectrometry	Sulfites and Volatile Acidity by Segmented Flow Analyzer
WAM-RIP-01/Wet Chemistry	Sulfites by Ripper Method

<b><u>Method Number/Technologies (continued)</u></b>	<b><u>Title (continued)</u></b>
WAM-AOP-01/Wet Chemistry	Sulfur Dioxide by Aeration/Oxidation
WAM TPH-03/Electrochemical	Titrateable Acidity & pH by Automated Titrator





## Accredited Laboratory

A2LA has accredited

# COLUMBIA CREST WINERY LABORATORY

Paterson, WA

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 24<sup>th</sup> day of July 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 2323.01  
Valid to July 31, 2019

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