

BRITISH COLUMBIA WINE AUTHORITY

Unit #3, 7519 Prairie Valley Rd., Summerland BC, Canada V0H 1Z4

Phone: 250-494-8896 Toll Free: 1-877-499-2872 Fax: 250-494-9737

Page 1 of 2

The AOAC International is a scientific association that publishes standardized chemical analysis which provides confidence in those analysis who's methodologies are widely and in our case wine analysis; see http://en.wikipedia.org/wiki/AOAC_International Our Rules define AOAC and provides the reference under its definition and you also may find it at http://www.aoac.org/oma_revision/toc.htm It is important for the Authority to have standards of chemical analysis to reference chemical analysis being conducted by a laboratory that we are to certify or approve. The AOAC is that such standard of methodologies.

The Authority has built flexibility in the rules for other methodology standards. One such other methodologies is as per the "COMPENDIUM OF INTERNATIONAL METHODS OF WINE AND MUST ANALYSIS" which is also a standard for methodologies (<http://87.98.209.109/oiv/cms/404> and <http://87.98.209.109/oiv/info/enmethodesinternationalesvin>)

Alcohol strength analysis may be completed by OIV International methodology by hydrometer, refractometer, outlined in OIV-MA-AS312-01B of the above noted Compendium. One method stated for methodology was OIV method MA-F-AS312-01-TALVOL found at <http://www.oiv.int/oiv/info/enmethodesinternationalesvin>

There is also another standard for methodologies, ESTM International, found at <http://www.astm.org/Standards/E1719.htm>

If you are unable to associate the test methodology with an internationally accepted standard, please provide documentation showing a step by step procedure for each test and the instrumentation and apparatuses used. Your protocol.

For further detailed methodology information please contact
Lorrie Zander, BCWA, BC VQA Coordinator, e-mail: lorrie.zander@bcvqa.ca

Guideline for Acceptable Chemical Analysis Methods to be used for
BCWA First Level Certification and EU Certification

**FOSS is only for BCWA First Level Certification

TEST	Method (AOC# or Other)
Density for Grape Must and Grape Juice	OIV MA-E-AS2-01-MASVOL AOAC-26.1.07 AOAC-26.1.08 AOAC-26.1.09 AOAC-26.1.10 AOAC-26.1.11 AOAC-28.1.04 FOSS**
Total Alcoholic Strength and Actual Alcoholic Strength	Pycnometer OIV MA-E-AS312-01-TALVOL Osuillator OIV MA-E-AS312-01-TALVOL Hydrostatic Balance OIV MA-E-AS312-01-TALVOL AOAC-983.13 AOAC-920.57 AOAC-920.58 AOAC-920.59 AOAC-969.12 FOSS**
Total Dry Extract	AOAC-28.1-12/28 1.13 OIV MA-E-AS2-03-EXTSEC
Total Acidity (as Tartaric Acid)	AOAC-962.12 FOSS**
Volatile Acidity	Total OIV MA-E-AS313-01-ACITOT Volatile OIV MA-E-AS313-02-ACIVOL Organic by HPLC OIV MA-E-AS313-04-ACIORG AOAC-964.08 AOAC-940.19 AOAC-978.12 FOSS**
Citric Acidity	AOAC-28.1.35 AOAC-28.1.36 OIV MA-E-AS313-08-ACICHI OIV MA-E-AS313-09-ACIENZ
Total Sulphur Dioxide	OIV MA-E-AS323-04-DOSOU AOAC-990.30 AOAC-990.31 AOAC-940.20 AOAC-990.28 AOAC-990.29
Free Sulphur Dioxide	AOAC-940.2
Residual Sugar	Reducing OIV MA-E-AS311-01-SUCRED Glucose/Fructose(Enz) MA-E-AS311-02-GLUFRU HPLC MA-E-AS-311-03-SUCRES FOSS**
pH	OIV MA-E-AS313-15-pH AOAC-960.19 FOSS**