



# CERTIFICATE OF ACCREDITATION

## ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

**Liquor Control Board of Ontario  
Quality Assurance Department Laboratory  
55 Lakeshore Blvd. E.  
Toronto, Ontario, M5E 1A4 Canada**

has been assessed by ANAB and meets the requirements of international standard

## ISO/IEC 17025:2017

while demonstrating technical competence in the field of

## TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L1116-1

Certificate Number

  
ANAB Approval

Certificate Valid Through: 08/23/2022  
Version No. 002 Issued: 08/15/2019



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. 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 April 2017).

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**Liquor Control Board of Ontario  
Quality Assurance Department Laboratory**

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**TESTING**

Valid to: **August 23, 2022**

Certificate Number: **L1116-1**

**Chemical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Sorbic Acid in Beverage Alcohol Excluding Spirits and Liquors	A10	Determination of Sorbic Acid in Beverage Alcohol Excluding Spirits and Liquors by Segmented Continuous Flow Analysis	Spectroscopy Skalar, Colorimetry
Volatile Acidity in Beverage Alcohol Excluding Spirits and Liquors	A11	Determination of Volatile Acidity in Beverage Alcohol Excluding Spirits and Liquors by Segmented Continuous Flow Analysis	Spectroscopy Skalar, Colorimetry
Total Reducing Sugar in Beverage Alcohol	A12	Determination of Total Reducing Sugar in Beverage Alcohol by Segmented Continuous Flow Analysis	Spectroscopy Skalar, Colorimetry
Free SO <sub>2</sub> in Beverage Alcohol Excluding Spirits and Liquors	A14	Determination of Free SO <sub>2</sub> in Beverage Alcohol Excluding Spirits and Liquors by Segmented Continuous Flow Analysis	Spectroscopy Skalar, Colorimetry
Total SO <sub>2</sub> in Beverage Alcohol Excluding Spirits and Liquors	A15	Determination of Total SO <sub>2</sub> in Beverage Alcohol Excluding Spirits and Liquors by Segmented Continuous Flow Analysis	Spectroscopy Skalar, Colorimetry

**Chemical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Alcohol Concentration in Wines and Other Beverage Alcohol	A55	Measurement of Alcohol Concentration in Wines and Other Beverage Alcohol by Near Infrared Spectroscopy	Spectroscopy NIR
Alcohol Concentration in Spirits	A58	Measurement of Alcohol Concentration in Spirits by NIR Alcolyzer System	Spectroscopy NIR
Ethanol in Beverage Alcohol	A18	Determination of Ethanol in Beverage Alcohol below 21% alc./vol. by Gas Chromatography-Flame Ionization Detection	Chromatography GC-FID
Ethanol in Liquors and Spirits	A43	Determination of Ethanol in Liquors and Spirits by Gas Chromatography-Flame Ionization Detection	Chromatography GC-FID
Methanol in Liquors and Spirits	A19	Determination of Methanol in Liquors and Spirits by Gas Chromatography-Flame Ionization Detection	Chromatography GC-FID
Methanol in Wine	A35	Determination of Methanol in Wine by Gas Chromatography-Flame Ionization Detection	Chromatography GC-FID
Ethyl Carbamate in Beverage Alcohol	A20	Determination of Ethyl Carbamate in Beverage Alcohol by Gas Chromatography-Mass Selective Detection	Chromatography GC-MSD
Pesticide Residues in Wines and Beer	A22	Determination of Pesticide Residues in Wines and Beer by Gas Chromatography-Mass Selective Detection	Chromatography GC-MSD
2,4,6-Trichloroanisole and 2,4,6-Trichlorophenol in Corks, Wines and Spirits	A24	Determination of 2,4,6-Trichloroanisole and 2,4,6-Trichlorophenol in Corks, Wines and Spirits by Gas Chromatography-Mass Selective Detection	Chromatography GC-MSD

**Chemical**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
$\alpha$ -Thujone in Beverage Alcohol	A54	Determination of $\alpha$ -Thujone in Beverage Alcohol by Gas Chromatography-Mass Selective Detection	Chromatography GC-MSD
Synthetic Dyes in Alcoholic Beverages	A27	Determination of Synthetic Dyes in Alcoholic Beverages by HPLC-PDA	Chromatography HPLC-PDA
Caffeine in Beverage Alcohol	A57	Determination of Caffeine in Beverage Alcohol by HPLC-PDA	Chromatography HPLC-PDA
Ochratoxin A in Wine and Beer	A51	Detection of Ochratoxin A in Wine and Beer by HPLC-Fluorescence Detector	Chromatography HPLC-FD
Ochratoxin A in Wine and Beer	A52	Determination of Ochratoxin A in Wine and Beer by HPLC-Fluorescence Detector with Immunoaffinity Column Clean-up	Chromatography HPLC-FD
Real Alcoholic Strength of Beverage Alcohol	A17	Determination of Real Alcoholic Strength of Beverage Alcohol using Distillation and Electronic Densimetry	Physical Property Densimeter
Apparent Density and Specific Gravity at 20°C	A32	Determination of Apparent Density and Specific Gravity at 20°C by Density Meter	Physical Property Densimeter
Apparent Alcoholic Strength by Volume	A49	Measurement of Apparent Alcoholic Strength by Volume Using Electronic Densimetry	Physical Property Densimeter
Turbidity in Beverage Alcohol	A33	Determination of Turbidity in Beverage Alcohol by Nephelometry	Physical Property Turbidimeter
pH in Alcoholic Beverages	A34	Determination of pH in Alcoholic Beverages by pH Meter	Physical Property pH Meter
Total Acidity in Wines	A26	by Titration to pH 8.2	Physical Property pH Meter - Volumetric

**Chemical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Lead and Cadmium	A46	Determination of Lead and Cadmium Leached from Storage and Drinking Vessels	ICP-MS
Metals in Beverage Alcohol	A45	Determination of Metals in Beverage Alcohol	ICP-MS
Metals (As, Cd, Co, Pb) in Beverage Alcohol	A47	Determination of Metals (As, Cd, Co, Pb) in Beverage Alcohol Requiring Acid Digestion	ICP-MS
Sodium Chloride in Cooking Wines and Spirits	A48	Determination of Sodium Chloride in Cooking Wines and Spirits by ICP-MS	ICP-MS

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L1116-1.



Vice President

