



CALA Scope of Accreditation

Laboratory Name: Prairie Tide Diversified Inc.

Client ID: 1004240

Parent Institution: Prairie Tide Diversified Inc.

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Standard: Conforms with requirements of ISO/IEC 17025:2017

Clients Served:

Revised On: 03/27/2024

Valid To: 09/26/2026

001 - Moisture

Field of Accreditation: Food

Matrix: Food

Analytical Method: KARL FISCHER TITRATION

Preparation Method:

Lab Method ID(s): QUC-0002

Method Reference	Modified From	Analytical Method	Preparation Method
AOCS CA 2E-84	Yes	Yes	No

Parameter

Moisture Content

002 - Fatty Acids

Field of Accreditation: Food

Matrix: Food

Analytical Method: GC/FID

Preparation Method:

Lab Method ID(s): QUC-0003

Method Reference	Modified From	Analytical Method	Preparation Method
AOCS CE 1J-07	Yes	Yes	No
AOCS CE LI-07	Yes	Yes	No
AOCS CE 1B-89	Yes	Yes	No
AOCS CE 2-66	Yes	Yes	No

Parameter

(10E, 12Z)-Octadeca-10,12-dienoic acid (trans-10, cis-12 Conjugated Linoleic acid)
 (11Z,14Z)-Icosa-11, 14-dienoic acid (Eicosadienoic acid)
 (2E,4E,6E)-octadeca-2,4,6-trienoic acid (Octadecatrienoic Acid)
 (2E,4E,6E,8E)-octadeca-2,4,6,8-tetraenoic acid (Octadecatetraenoic Acid)
 (6Z,9Z,12Z)-octadeca-6,9,12-trienoic acid (Gamma Linolenic Acid)
 (6Z,9Z,12Z,15Z)-Octadeca-6,9,12,15-tetraenoic acid (Stearidonic acid)
 (7Z, 10Z)-Hexadeca-7,10-dienoic acid (7Z,10Z- hexadecadienoic acid)
 (9E,12E)-octadeca-9,12-dienoic acid (Linoelaidic Acid)
 (9Z,12Z,15Z)-Octadeca-9,12,15-trienoic acid (Alpha Linolenic acid)
 (Z)-Heptadec-10-enoic acid (cis-10-Margaric acid)
 (Z)-Heptadec-10-enoic acid (Palmitic acid)
 (Z)-Hexadec-9-enoic acid (Palmitoleic acid)
 (Z)-hexadec-9-enoic acid (Palmitoleic Acid)
 (Z)-octadec-11-enoic acid (cis-Vaccenic Acid)
 (Z)-pentadec-10-enoic acid (cis-10 Pentadecylic acid)
 11,14,17-Eicosatrienoic acid
 C20:0 Arachidic Acid
 C22:0 Behenic Acid
 C22:5 ISOMER 2 (all-cis-7,10,13,16,19-docosapentaenoic acid (DPA)
 Caproic Acid (Hexanoic Acid)
 Decanoic acid (Capric acid)
 Docosahexaenoic acid (DHA)
 Docosanoic Acid (Behenic acid)
 Docosatetraenoic acid (Adrenic acid)
 Dodecanoic acid (Lauric acid)
 Eicosapentaenoic acid (EPA)
 Eicosatetraenoic acid (Arachidonic acid)
 Eicosatrienoic acid (Dihomo-linolenic acid)
 Erucic Acid
 Fatty Acids
 Heptadecenoic (cis-10) acid (cis-10-Margaric acid)
 Lignoceric acid
 Linoleic acid (Octadecadienoic acid)
 Myristic acid (Tetradecanoic Acid)
 Myristoleic (9Z-tetradecenoic)

Parameter

Nervonic (cis-15-tetracosenoic)
 Oleic Acid & trans-Oleic Acid
 Omega-3
 Omega-6
 Pentadecanoic acid (Pentadecylic acid)
 Polyunsaturated Fatty Acids
 Saturated Fatty Acids
 Stearic acid (Octadecanoic acid)
 Tridecanoic acid (Tridecylic acid)
 Undecanoic Acid (Undecylic Acid)

003 - Free Fatty Acid

Field of Accreditation: Food**Matrix:** Food**Analytical Method:** TITRIMETRIC**Preparation Method:****Lab Method ID(s):** QUC-0001

Method Reference	Modified From	Analytical Method	Preparation Method
AOCS CA 5A-40	No	Yes	No
AOCS CD 3d-63	Yes	Yes	No

Parameter

Free Fatty Acid (FFA)

004 - Ethanol

Field of Accreditation: Food**Matrix:** Beverages**Analytical Method:** GC/FID**Preparation Method:****Lab Method ID(s):** SOP QUC-0009

Method Reference	Modified From	Analytical Method	Preparation Method
USP ALCOHOL MONOGRAPH - STAGE 6	Yes	Yes	No

Parameter

Ethanol

005 - Alcohols

Field of Accreditation: Food**Matrix:** Beverages**Analytical Method:** NEAR-INFRARED SPECTROSCOPY (NIR)**Preparation Method:****Lab Method ID(s):** SOP EQP-0014

Method Reference	Modified From	Analytical Method	Preparation Method
ALEX MANUAL	No	Yes	No

Parameter

Ethanol

006 - Methanol

Field of Accreditation: Food**Matrix:** Beverages**Analytical Method:** GC/FID**Preparation Method:****Lab Method ID(s):** SOP QUC-0009

Method Reference	Modified From	Analytical Method	Preparation Method
USP ALCOHOL MONOGRAPH - STAGE 6	Yes	Yes	No

Parameter

Methanol

007 - Peroxide Value

Field of Accreditation: Food**Matrix:** Food**Analytical Method:** TITRIMETRIC**Preparation Method:****Lab Method ID(s):** SOP QUC-0013

Method Reference	Modified From	Analytical Method	Preparation Method
AOCS CD 8-53	Yes	Yes	No

Parameter

Peroxide Value

008 - Iodine

Field of Accreditation: Food**Matrix:** Food**Analytical Method:** TITRIMETRIC**Preparation Method:**

Lab Method ID(s): QUC-0022

Method Reference	Modified From	Analytical Method	Preparation Method
AOCS CD 1D- 92	No	Yes	No

Parameter

Iodine Value

009 - Colour

Field of Accreditation: Food

Matrix: Food

Analytical Method: COLORIMETRIC-TINTOMETER

Preparation Method:

Lab Method ID(s): QUC-0017

Method Reference	Modified From	Analytical Method	Preparation Method
AOCS TD 1A- 64	No	Yes	No

Parameter

Gardner Color

010 - p-Anisidine Value

Field of Accreditation: Food

Matrix: Food

Analytical Method: SPECTROPHOTOMETRIC (UV/VISIBLE)

Preparation Method:

Lab Method ID(s): QUC-0015

Method Reference	Modified From	Analytical Method	Preparation Method
AOCS CD 18- 90	No	Yes	No

Parameter

p-Anisidine Value (p-AV)

011 - Colour

Field of Accreditation: Food

Matrix: Food

Analytical Method: SPECTROPHOTOMETRIC (UV/VISIBLE)

Preparation Method:

Lab Method ID(s): QUC-0016

Method Reference	Modified From	Analytical Method	Preparation Method
AOCS CC 13B- 45	No	Yes	No

Parameter

Lovibond Color

012 - Insoluble Impurity

Field of Accreditation: Food

Matrix: Food

Analytical Method: GRAVIMETRIC

Preparation Method:

Lab Method ID(s): QUC-0023

Method Reference	Modified From	Analytical Method	Preparation Method
AOCS CA 3A-46	Yes	Yes	No

Parameter

Insoluble Impurity

† "OSDWA" indicates the appendix is used for the analysis of Ontario drinking water samples, which is subject to the rules and related regulations under the Ontario "Safe Drinking Water Act" (2002).

The list of tests and measurement capabilities for which a laboratory is accredited can change at any time due to circumstances such as scope extensions, voluntary withdrawal of tests by the laboratory and suspension. Scopes are published by the CALA via the Internet at http://www.cala.ca/cala_directories.html