



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

LABORATORIES ADMINISTRATION, DHMH  
1770 Ashland Avenue  
Baltimore, MD 21205  
Dr. Robert A. Myers 443-681-3800

CHEMICAL

Valid to: June 30, 2018

Certificate Number: 3525.02

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the A2LA Food Testing Program Requirements, containing the "2015 AOAC International Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Foods and Pharmaceuticals"), accreditation is granted to this laboratory to perform the following tests on FDA regulated foods:

Test	Internal Method	Reference Method
<b>Food</b>		
Determination of Trace Elements in Foods and Consumer Products	CHEM-SOP-FCP-M	FDA Method T039 EPA Method 200.8 EPA Method 200.7 EPA Method 245.1
Determination of Solids in Syrup (°Brix) by Means of Refractometer	CHEM-SOP-AOAC 932.12	AOAC 932.12
Loss of Drying (Moisture) in Meat and Poultry Products	CHEM-SOP-AOAC 985.14	AOAC 985.14
Fat (Crude) in Meat and Meat Products	CHEM-SOP-AOAC 991.36	AOAC 991.36
Patulin in Clear and Cloudy Apple Juices, Modified	CHEM-SOP-AOAC 2000.02	AOAC 2000.02
Determination of Water Activity in Food Products	In-House Method	Aqua Lab Manual Oregon State Univ.

## CHEMICAL

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Chemical tests on bottled water. These tests do not fall under the 2015 AOAC International Guidelines:

Test	Internal Method	Reference Method
<b>Organics</b>		
2-Dibromomethane (EDB), 1,2-Dibromo-3-Chloropropane (DBCP), and 1,2,3-Trichloropropane (123TCP) in Water by Micro Extraction and Gas Chromatography	CHEM-SOP-EPA 504.1	EPA Method 504.1 Revision 1.1
Determination of Chlorinated Pesticides in Water by Gas Chromatography with an Electron Capture Detector	CHEM-SOP-EPA 508	EPA Method 508 Revision 3.1
Determination of Chlorinated Acids in Drinking Water by Liquid-Liquid Extraction, Derivatization and Gas Chromatography with Electron Capture Detection	CHEM-SOP-EPA 515.3	EPA Method 515.3 Revision 1.0
Measurement of Purgeable Organic Compounds by Capillary Column Gas Chromatography / Mass Spectrometry	CHEM-SOP-EPA 524.2	EPA Method 524.2 Revision 4.1
Determination of Organic Compounds in Drinking Water by Liquid-Solid Extraction and Capillary Column Gas Chromatography/Mass Spectrometry	CHEM-SOP-EPA 525.2	EPA Method 525.2 Revision 2.0



## CHEMICAL

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Chemical tests on bottled water.

These tests do not fall under the 2015 AOAC International Guidelines:

### Organics Cont.

Measurement of N Methylcarbamoyloximes and N-Methyl-Carbamates in Water by Direct Aqueous Injection HPLC with Post Column Derivatization	CHEM-SOP-EPA 531.2	EPA Method 531.2 Revision 1.0
Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Extraction, Derivatization, and Gas Chromatography with Dual Electron Capture Detection	CHEM-SOP-EPA 552.2	EPA Method 552.2 Revision 1.0

### Trace Metals

Determination of Metals and Trace Elements in Waters and Wastes by Inductively Coupled Plasma- Atomic Emission Spectrometry	CHEM-SOP-EPA 200.7	EPA Method 200.7 Revision 4.4
Determination of Trace Elements in Waters and Wastes by Inductive Coupled Plasma - Mass Spectrometry	CHEM-SOP-EPA 200.8	EPA Method 200.8 Revision 5.4
Determination of Mercury in Water by Cold Vapor Atomic Absorption Spectrometry	CHEM-SOP-EPA 245.1	EPA Method 245.1 Revision 3.0



## CHEMICAL

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Chemical tests on bottled water.

These tests do not fall under the 2015 AOAC International Guidelines:

### Inorganics

Electrometric Determination of pH	CHEM-SOP-EPA 150.1	EPA Method 150.1 Revision 2.0
Determination of Ammonia Nitrogen by Semi-Automated Colorimetry ( <b>High Level Ammonia</b> )	CHEM-SOP-EPA 350.1	EPA Method 350.1 Revision 2.0
Determination of Nitrate-Nitrite Nitrogen by Automated Colorimetry ( <b>High Level Nitrite</b> )	CHEM-SOP-EPA 353.2	EPA Method 353.2 Revision 2.0
Determination of Nitrate-Nitrite Nitrogen by Automated Colorimetry	CHEM-SOP-EPA 353.2	EPA Method 353.2 Revision 2.0
Determination of Sulfate by Flow Injection Analysis	CHEM-SOP-EPA 375.2	EPA Method 375.2 Revision 2.0
Fluoride by Ion Selective Electrode	CHEM-SOP-SM 4500 F	SM 4500F C Revision 21
Determination of Free Cyanide by Potentiometric Method	CHEM-SOP-SM 4500 FC	SM 4500 CN F revision 21
Particulate Matter 2.5 (PM <sub>2.5</sub> ) in Ambient Air	CHEM-SOP EPA454-R-98-005/ R5.0-16	EPA Method 454/R-98-005
Determination of Total Cyanide and Cyanide Amenable to Chlorination (Free Cyanide) by Colorimetric Method	CHEM-SOP-SM 4500 TC	SM 4500 CN [C+E+G] Revision 21 & Quik:Chem 10-204-00-1-X, Revision 1.0



## CHEMICAL

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Chemical tests on bottled water.

These tests do not fall under the 2015 AOAC International Guidelines:

### Radiation

Gross Alpha and Gross Beta Radioactivity in Drinking Water	CHEM-SOP-EPA 900.0	EPA 900.0
Radium-226 Emanation Technique	CHEM-SOP-EPA 903.1	EPA 903.1
Radium-228	CHEM-SOP-EPA 904.0	EPA 904.0
Tritium	CHEM-SOP-EPA 906.0	EPA 906.0



## CHEMICAL

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Chemical tests on blood and urine. These tests do not fall under the 2015 AOAC International Guidelines:

### Organics

Determination of Cyanide in Blood by Headspace Gas Chromatography with Mass Selective Detection	CHEM-SOP-CDC-CTL-CN-1.02	CDC Method CTL-CN 1.02
Determination of Ricin and Abrin Biomarkers by Solid Phase Extraction and High Performance Liquid Chromatography Isotope Dilution Tandem Mass Spectrometry	CHEM-SOP-CDC-CTL-ABRC 2.0	CDC Method CTL-ABRC 2
Analysis of OPNA Metabolites in Urine by High Performance Liquid Chromatography Isotope Dilution Mass Spectrometry	CHEM-SOP-CDC-CTL-NAM 3.01	CDC Method CTL-NAM 3.01
Analysis of Monofluoroacetate and Monochloroacetate in Urine by High Performance Liquid Chromatography Isotope Dilution Tandem Mass Spectrometry	CHEM-SOP-CDC-CTL-MTX 1.0	CDC Method CTL-MTX 1.0
Determination of Tetramethylene disulfotetramine (Tetramine) in Urine by Solid Phase Extraction / Gas Chromatography/ Isotope Dilution Mass Spectrometry	CHEM-SOP-CDC-CTL-TETRA 1.2	CDC Method CTL-TETRA 1.2
Determination of Volatile Organic Compounds in Whole Blood by Gas Chromatography-Mass Spectrometry	CHEM-SOP-CDC-VOC-13 OD	CDC Method No 13-OD



## Trace Metals

Determination of Multi  
Elements in Urine by  
Inductively Coupled Plasma /  
DRC - Mass Spectrometry

CHEM-SOP-CDC-MEU-3018

CDC Method, Multi-Elements  
in Urine, No. 3018.4 and  
3018A.3

Determination of Mercury,  
Lead, Cadmium, Manganese  
& Selenium in Whole Blood  
by Inductively Coupled  
Plasma - Mass Spectrometry

CHEM-SOP-CDC-MEWB-3016

CDC Method, Multi-Elements  
in Whole Blood, No. 3016.8

A handwritten signature in blue ink, appearing to be 'L. L. L.', is located at the bottom right of the page.



## *Accredited Laboratory*

A2LA has accredited

**LABORATORIES ADMINISTRATION, DHMH**

*Baltimore, MD*

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 laboratory also meets the A2LA R204 - Specific Requirements - Food and Pharmaceutical Testing Laboratory Accreditation Program in the Chemical field. 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 28<sup>th</sup> of November 2016.

A handwritten signature in black ink, appearing to read 'L. Sen', written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 3525.02  
Valid to June 30, 2018  
Revised May 30, 2018

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