



Corporate Headquarters  
6571 Wilson Mills Road  
Cleveland, Ohio 44143

Phone: 800-458-3330

This report package contains 7 pages

This package contains reports from the following laboratories:

- National Testing Laboratories, Ltd. (3 pages)
- Eurofins Eaton Analytical, Inc. (3 pages)

If you have any questions, please contact Susan Henderson at 1-800-458-3330.



**National Testing Laboratories, Ltd**556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 381255****5/25/2018****Customer:** Holyoke Distilled Water Inc.  
Joe Weisse  
dba Laurel Pure Bottling  
20 Winter Street  
Holyoke, MA 01040**Source:** Manhan Water Region  
**Source Type:** Municipal Water  
**Brand Name:** Laurel Pure  
**Production Code:** 1042518  
**Container Size:** 1 Gallon**Date/Time Received:** 5/1/2018 09:05**Collected by:** J. Weisse

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable. These results may be used for compliance purposes, as required, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

**"ND"** This contaminant was not detected at or above our lower reporting limit (LRL)**"NA"** Not Analyzed**"Standard"** This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.**"LRL"** This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.**"DF"** This column indicates the contaminant dilution factor.**Report Notes:**

pH analysis has a 15 minute hold time from sampling to analysis. Analysis of pH past the 15 minute hold time should be considered an estimate. In addition, Chlorine, Chloramine and Chlorine Dioxide hold time is immediate, therefore results should be considered an estimate.

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1002	Aluminum	200.7	0.2	mg/L	0.05	ND	1	5/7/2018 14:03		5/10/2018
1074	Antimony	200.8	0.006	mg/L	0.003	ND	1	5/7/2018 14:03		5/14/2018
1005	Arsenic	200.8	0.010	mg/L	0.002	ND	1	5/7/2018 14:03		5/14/2018
1010	Barium	200.7	2	mg/L	0.10	ND	1	5/7/2018 14:03		5/10/2018
1075	Beryllium	200.7	0.004	mg/L	0.001	ND	1	5/7/2018 14:03		5/10/2018
1079	Boron	200.7	--	mg/L	0.10	ND	1	5/7/2018 14:03		5/10/2018
1015	Cadmium	200.7	0.005	mg/L	0.001	ND	1	5/7/2018 14:03		5/10/2018
1016	Calcium	200.7	--	mg/L	2.0	ND	1	5/7/2018 14:03		5/10/2018
1020	Chromium	200.7	0.100	mg/L	0.007	ND	1	5/7/2018 14:03		5/10/2018
1022	Copper	200.7	1.0	mg/L	0.002	ND	1	5/7/2018 14:03		5/10/2018
1028	Iron	200.7	0.3	mg/L	0.020	ND	1	5/7/2018 14:03		5/10/2018
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	5/7/2018 14:03		5/14/2018
1031	Magnesium	200.7	--	mg/L	0.10	ND	1	5/7/2018 14:03		5/10/2018
1032	Manganese	200.7	0.05	mg/L	0.004	ND	1	5/7/2018 14:03		5/10/2018
1035	Mercury	200.8	0.002	mg/L	0.0002	ND	1	5/7/2018 14:03		5/14/2018
1036	Nickel	200.7	--	mg/L	0.005	ND	1	5/7/2018 14:03		5/10/2018
1042	Potassium	200.7	--	mg/L	1.0	ND	1	5/7/2018 14:03		5/10/2018
1045	Selenium	200.8	0.05	mg/L	0.002	ND	1	5/7/2018 14:03		5/14/2018
1050	Silver	200.7	0.10	mg/L	0.002	ND	1	5/7/2018 14:03		5/10/2018

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# National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585

## ANALYTICAL REPORTS

SAMPLE CODE: 381255

5/25/2018

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
1052	Sodium	200.7	--	mg/L	1	ND	1	5/7/2018 14:03		5/10/2018
1085	Thallium	200.8	0.002	mg/L	0.001	ND	1	5/7/2018 14:03		5/14/2018
4009	Uranium	200.8	0.030	mg/L	0.001	ND	1	5/7/2018 14:03		5/14/2018
1095	Zinc	200.7	5.000	mg/L	0.004	ND	1	5/7/2018 14:03		5/10/2018
<b>Physical Factors</b>										
1927	Alkalinity (Total as CaCO3)	2320B	--	mg/L	20	ND	1	5/7/2018 14:03		5/16/2018
1905	Apparent Color	2120B	15	CU	3	ND	1	5/7/2018 14:03		5/8/2018 14:05
1910	Corrosivity	2330B	--	SI		-6.50	R2	1	5/7/2018 14:03	5/16/2018
2905	Foaming Agents	5540C	0.5	mg/L	0.1	ND	1	5/7/2018 14:03		5/9/2018 13:35
MBAS, calculated as Linear Alkylate Sulfonate (LAS), mol wt of 342.4 g/mole										
1915	Hardness (as CaCO3)	2340C	--	mg/L	10	ND	1	5/7/2018 14:03		5/22/2018
1920	Odor Threshold	2150B	3	ton	1	ND	1	5/7/2018 14:03		5/7/2018 15:30
1925	pH	150.1	6.5-8.5	pH Units		5.2*	1	5/7/2018 14:03		5/8/2018 12:45
4254	pH Temperature	150.1	--	Deg, C		18	1	5/7/2018 14:03		5/8/2018 12:45
1930	Total Dissolved Solids	2540C	500	mg/L	5	ND	1	5/7/2018 14:03		5/14/2018
0100	Turbidity	2130B	1	NTU	0.1	ND	1	5/7/2018 14:03		5/8/2018 13:20
<b>Inorganic Analytes - Other</b>										
1011	Bromate	300.1	0.010	mg/L	0.005	ND	1	5/7/2018 14:03		5/16/2018
1004	Bromide	300.1	--	mg/L	0.005	ND	1	5/7/2018 14:03		5/16/2018
1006	Chloramine as Cl2	4500Cl-G	4.0	mg/L	0.05	ND	1	5/7/2018 14:03		5/9/2018 11:31
1017	Chloride	300.0	250	mg/L	1.0	ND	1	5/7/2018 14:03		5/8/2018 10:01
1012	Chlorine as Cl2	4500Cl-G	4.0	mg/L	0.05	ND	1	5/7/2018 14:03		5/9/2018 11:28
1008	Chlorine Dioxide as ClO2	4500ClO2D	0.8	mg/L	0.1	ND	1	5/7/2018 14:03		5/9/2018 11:43
1009	Chlorite	300.1	1.0	mg/L	0.005	ND	1	5/7/2018 14:03		5/16/2018
1025	Fluoride	300.0	4.0	mg/L	0.10	ND	1	5/7/2018 14:03		5/8/2018 10:01
1040	Nitrate as N	300.0	10	mg/L	0.05	ND	1	5/7/2018 14:03		5/8/2018 10:01
1041	Nitrite as N	300.0	1	mg/L	0.05	ND	1	5/7/2018 14:03		5/8/2018 10:01
1044	Ortho Phosphate	300.0	--	mg/L	2.0	ND	1	5/7/2018 14:03		5/8/2018 10:01
1055	Sulfate	300.0	250	mg/L	5.0	ND	1	5/7/2018 14:03		5/8/2018 10:01
<b>Organic Analytes - Haloacetic Acids</b>										
2454	Dibromoacetic Acid	552.2 HAAs	--	ug/L	1.0	ND	1	5/7/2018 14:03	5/18/2018	5/23/2018
2451	Dichloroacetic Acid	552.2 HAAs	--	ug/L	1.0	ND	1	5/7/2018 14:03	5/18/2018	5/23/2018
2453	Monobromoacetic Acid	552.2 HAAs	--	ug/L	1.0	ND	1	5/7/2018 14:03	5/18/2018	5/23/2018
2450	Monochloroacetic Acid	552.2 HAAs	--	ug/L	1.0	ND	1	5/7/2018 14:03	5/18/2018	5/23/2018
2452	Trichloroacetic Acid	552.2 HAAs	--	ug/L	1.0	ND	1	5/7/2018 14:03	5/18/2018	5/23/2018
2456	Total HAAs	552.2 HAAs	60	ug/L	1.0	ND	1	5/7/2018 14:03	5/18/2018	5/23/2018
<b>Organic Analytes - Others</b>										
2910	Total Phenols	420.4	--	mg/L	0.001	ND	R2	1	5/7/2018 14:03	5/10/2018

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# National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585

## ANALYTICAL REPORTS

SAMPLE CODE: 381255

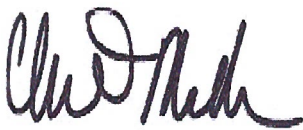
5/25/2018

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
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Qualifiers:

R2: The laboratory is not accredited for this analyte. The resulting value should be used for informational purposes only.

Analyst	Tests
DD	200.7
SMG	200.8
PC	2320B,2120B,2330B,5540C,2340C,2150B,150.1,2130B
CF	2540C
SG	300.1,300.0
DHG	4500CI-G,4500CI02D,420.4
JPT	552.2 HAAs



Christine MacMillan, Technical Director



Eaton Analytical

110 South Hill Street  
South Bend, IN 46617  
Tel: (574) 233-4777  
Fax: (574) 233-8207  
1 800 332 4345

### Laboratory Report

Client: National Testing Laboratories  
Attn: Susan Henderson  
6571 Wilson Mills Road  
Cleveland, OH 44143

Report: 416087  
Priority: Standard Written  
Status: Final  
PWS ID: Not Supplied

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
3931972	381255/2109343	335.4	05/07/18 14:03	Client	05/09/18 08:30

### Report Summary

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Traci Chlebowski at (574) 233-4777.

*Note: This report may not be reproduced, except in full, without written approval from EEA.*

Traci Chlebowski ASM  
Authorized Signature Title

05/22/2018  
Date

Client Name: National Testing Laboratories  
Report #: 416087

Client Name: National Testing Laboratories

Report #: 416087

Sampling Point: 381255/2109343

PWS ID: Not Supplied

**General Chemistry**

Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
57-12-5	Cyanide, Total	335.4	0.1 &	0.02	< 0.02	mg/L	05/15/18 16:35	05/15/18 18:08	3931972

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

<b>Reg Limit Type:</b>	MCL	SMCL	AL	SOQ
<b>Symbol:</b>	*	^	!	&

## Lab Definitions

**Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC)** - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

**Internal Standards (IS)** - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

**Laboratory Duplicate (LD)** - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

**Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS)** - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

**Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB)** - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

**Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB)** - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

**Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD)** - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

**Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM)** - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

**Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV)** - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

**Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS)** - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

**Surrogate Standard (SS) / Surrogate Analyte (SUR)** - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.