ABSOPURE WATER COMPANY
PLYMOUTH, MI 48170
2017 BOTTLED WATER QUALITY REPORT

INTRODUCTION

Absopure bottled water meets federal and state health standards. FDA regulates bottled water as a food product whereas EPA regulates tap water as provided by water utilities. Standards of quality enacted by the FDA for bottled water must be a protective of the public health as the EPA's standard (known as Maximum Contaminant Level) for tap water. Ensuring the safety of the water is our primary objective in providing our product to the consumer.

OUR SOURCE FOR OUR WATER

Absopure bottling facility in Michigan uses protected boreholes adjacent to the natural springs in southern Michigan. Layers of solid rock and clay provide an impervious (not-passable) protective cover for the aquifer water. Through nature's own filtration process, our spring water rises to the surface completely safe to drink. We test our sources regularly to verify that they are of extremely high quality.

Distilled water starts with municipal water that is treated with such methods as water softening, carbon filtration and aeration. The water then enters our FDA food grade stills where it is superheated to 212°F and converted to steam. The steam is then condensed and returned to the liquid state.

Purified water begins with municipal water that is passed through carbon filtration. Then it is processed through a reverse osmosis purification unit. Each process strips the minerals and other impurities out of the water, providing clean, clear water that exceeds the standards set forth in the United States Pharmacopeia as referenced by the FDA standards for distilled and purified water.

HOW ABSOPURE BOTTLED WATER IS PREPARED

Bottled water is protected by a multi-barrier approach, which includes steps such as source protection and monitoring, one-micron absolute filtration, distillation, ozonation, particulate filtration, and the application of ultraviolet light or other appropriate processing measures.

Our spring water is conveyed through multiple stages of filtration that include micron filtration and particulate filtration to remove sediment and suspended particles. Before the water is bottled, each water passes through one or less than one-micron absolute filters, an ultraviolet disinfection unit and an ozonator.

Our distilled water is pretreated and then heated to produce steam. The minerals are left behind and the steam is condensed for a pure, mineral-free product. The water is passed through one or less than one micron absolute filters and ozonated before filled into a bottle.

Our purified water is initially carbon filtered and then processed by reverse osmosis purification unit. The water is passed through one or less than one-micron absolute filters and ozonated before filled into a bottle.

All of our non-carbonated bottled water products are ozonated. We use ozone instead of chlorine because it leaves no residual and it does not cause taste and odor problem. Ozone is oxygen (O_3 to be exact), which is bubbled through the water just before it goes into a clean bottle. Within a few hours after the bottle has been filled and capped, the ozone dissipates or converts back to the same form of oxygen that we breathe (O_2).

TABLE 1: ABSOPURE WATER COMPANY SPECIFIC MINERAL ANALYSIS

General Mineral Analysis	Distilled Water	Drinking Water	Spring Water
Bicarbonate	ND	ND	260
Calcium	ND	ND	77
Chloride	ND	ND	18
Fluoride	ND	ND	0.20
Magnesium	ND	ND	26
Sodium	ND	ND	9
Sulfate	ND	ND	28
Total Dissolved Solids	ND	6	320
Alkalinity	ND	ND	260
Specific Conductance	2	6	580
pH	5.3	5.4	7.8
Sodium per 8 oz. Serving	0	0	0

OUR COMPANY'S WATER TESTING

Our company regularly tests for 33 organic chemicals and 63 inorganic chemicals that are regulated by the FDA. As an extra safeguard, we also test for 63 unregulated contaminants. No contaminate was detected above the FDA's limits in our testing. There have been no violations of any FDA's Standard of Quality.

Regulatory Requirements

All bottled water plants approved as an Absopure supplier shall meet all FDA Standards of Quality and shall operate in accordance with the Good Manufacturing Practice of 21 CFR Section 110, Production and Process Controls of 21 CFR Section 129.80. All bottled water plants approved as Absopure supplier shall also adhere to the requirements of the International Bottled Water Association, as well as any state or local requirements. IBWA members are required to undergo an annual, unannounced plant inspection and the plant shall comply with the IBWA Model Code.

Raw Material/ Component Specifications

All bottled water shall be from an approved source and shall meet the standard of quality prescribed by the FDA in 21 CFR Section 165.110(b).

TABLE 2: ABSOPURE WATER COMPANY ANALYSIS

(*All results reported in mg/L except as noted*)

Product>	Distilled Water	Drinking Water	Spring Water	Detection Limit	FDA SOQ
Inorganic Chemicals					
Antimony (2)	ND	ND	ND	0.001	0.006
Arsenic	ND	ND	ND	0.002	0.01
Barium	ND	ND	ND	0.10	2
Beryllium (2)	ND	ND	ND	0.001	0.004
Cadmium	ND	ND	ND	0.001	0.005
Chlorine	ND	ND	ND	0.05	4.0
Chloramine	ND	ND	ND	0.05	4.0
Chlorine dioxide	ND	ND	ND	0.1	0.8
Chlorite	ND	ND	ND	0.005	1.0
Chromium	ND	ND	ND	0.001	0.1
Cyanide (2)	ND	ND	ND	15	200

Fluoride	ND	ND	0.20	0.1	4
Lead	ND	ND	ND	0.001	0.005
Mercury	ND	ND	ND	0.0002	0.002
Nickel (2)	ND	ND	ND	0.002	--
Nitrate-N	ND	ND	0.06	0.05	10
Nitrite-N	ND	ND	ND	0.05	1
Total Nitrate + Nitrite	ND	ND	0.06	--	--
Selenium	ND	ND	ND	0.002	0.05
Thallium (2)	ND	ND	ND	0.001	0.002
Secondary Inorganic Parameters					
Aluminum	ND	ND	ND	0.05	0.2
Chloride	ND	ND	18	1.0	250
Copper	ND	ND	ND	0.002	1.0
Iron	ND	ND	ND	0.02	0.3
Manganese	ND	ND	ND	0.004	0.05
Silver	ND	ND	ND	0.002	0.1
Sulfate	ND	ND	28	5.0	250
Total Dissolved Solids (TDS)	ND	6	320	5	500
Zinc	ND	ND	ND	0.004	5
Volatile Organic Chemicals					
1,1,1-Trichloroethane	ND	ND	ND	0.0005	0.2
1,1,2-Trichloroethane	ND	ND	ND	0.0005	0.005
1,1-Dichloroethylene	ND	ND	ND	0.0005	--
1,2,4-Trichlorobenzene	ND	ND	ND	0.0005	0.07
1,2-Dichloroethane	ND	ND	ND	0.0005	0.005
1,2-Dichloropropane	ND	ND	ND	0.0005	0.005
Benzene	ND	ND	ND	0.0005	0.005
Carbon tetrachloride	ND	ND	ND	0.0005	0.005
cis-1,2-Dichloroethylene	ND	ND	ND	0.0005	0.07
trans-1,2-Dichloroethylene	ND	ND	ND	0.0005	0.1
Ethylbenzene	ND	ND	ND	0.0005	0.7
Haloacetic acids, total (HAA5)	ND	ND	ND	0.001	0.06
Methylene chloride (Dichloromethane)	ND	ND	ND	0.0005	0.005
Methyl tertiary butyl ether (MTBE)	ND	ND	ND	0.0005	--
Monochlorobenzene	ND	ND	ND	0.0005	0.6
o-Dichlorobenzene	ND	ND	ND	0.0005	0.6

ND = Not detected

Product>	Distilled Water	Drinking Water	Spring Water	Detection Limit	FDA SOQ
Volatile Organic Chemicals (Cont'd.)					
p-Dichlorobenzene	ND	ND	ND	0.0005	0.075
Naphthalene	ND	ND	ND	0.0005	--
Styrene	ND	ND	ND	0.0005	0.1
1,1,2,2-Tetrachloroethane	ND	ND	ND	0.0005	--
Tetrachloroethylene	ND	ND	ND	0.0005	0.005
Toluene	ND	ND	0.0006	0.0005	1
Trichloroethylene	ND	ND	ND	0.0005	0.005
Vinyl chloride	ND	ND	ND	0.0005	0.002
Xylenes (total)	ND	ND	ND	0.0005	10
Bromodichloromethane	ND	ND	ND	0.0005	--
Chlorodibromomethane	ND	ND	ND	0.0005	--
Chloroform	ND	0.0007	ND	0.0005	--
Bromoform	ND	ND	ND	0.0005	--
Total Trihalomethanes	ND	0.0007	ND	0.0005	0.08

Semivolatile Organic Chemicals					
Benzo(a)pyrene	ND	ND	ND	0.02	0.2
Di(2-ethyhexyl)adipate	ND	ND	ND	0.0002	0.4
Di(2-ethyhexyl)phthalate	ND	ND	ND	0.0002	--
Hexachlorobenzene	ND	ND	ND	0.0001	0.001
Hexachlorocyclopentadiene	ND	ND	ND	0.0001	0.05
Total Recoverable Phenolics	ND	ND	ND	1	--
Synthetic Organic Chemicals					
2,4,5-TP (Silvex)	ND	ND	ND	0.0002	0.05
2,4-D (Dichlorophenoxy acetic acid)	ND	ND	ND	0.0001	0.07
Alachlor	ND	ND	ND	0.0002	0.002
Aldicarb	ND	ND	ND	0.5	0.007
Aldicarb sulfone	ND	ND	ND	0.65	0.007
Aldicarb sulfoxide	ND	ND	ND	0.45	0.007
Atrazine	ND	ND	ND	0.0001	0.003
Carbofuran	ND	ND	ND	0.67	0.04
Chlordane	ND	ND	ND	0.001	0.002
Dalapon	ND	ND	ND	0.001	0.2
Dibromochloropropane (DBCP)	ND	ND	ND	0.00001	0.0002
Dinoseb	ND	ND	ND	0.0002	0.007
Dioxin (2,3,7,8-TCDD)	ND	ND	ND		
Diquat	ND	ND	ND	--	0.02
Endothall	ND	ND	ND	--	0.1
Endrin	ND	ND	ND	0.00001	0.002
Ethylene dibromide	ND	ND	ND	--	0.05
Glyphosate	ND	ND	ND	--	0.7
Heptachlor	ND	ND	ND	0.00001	0.0004
Heptachlor epoxide	ND	ND	ND	0.00001	0.0002
Lindane	ND	ND	ND	0.00002	0.0002
Methoxychlor	ND	ND	ND	0.0001	0.04
Oxamyl (vydate)	ND	ND	ND	--	0.2
Pentachlorophenol	ND	ND	ND	0.00004	0.001
Picloram	ND	ND	ND	0.0001	0.5
Polychlorinated biphenyls (PCBs)	ND	ND	ND	0.0001	0.0005
Simazine	ND	ND	ND	0.00007	0.004
Toxaphene	ND	ND	ND	0.001	0.003
Perchlorate	ND	ND	ND	--	

ND = Not detected

Product>	Distilled Water	Drinking Water	Spring Water	Detection Limit	FDA SOQ
Water Properties					
Color	ND	ND	ND	3.0	15 Color Unit
Turbidity	ND	ND	ND	0.1	5 NTU
‘pH	5.3	5.4	7.8	--	5.0-8.5
Odor	ND	ND	ND	--	3 TON
Radiological Contaminants					
Gross alpha particle activity	ND	ND	ND	--	15
Gross beta particle and photon activity	ND	ND	ND	--	50

Radium 226/228 (combined)	ND	ND	ND	--	5 pCi/L
Uranium	ND	ND	ND	--	0.03
Strontium 90	NA	NA	NA	--	--
Tritium and other manmade nuclides	NA	NA	NA	--	--

Microbiological Properties

Bacteriological Purity: Complies with the FDA's regulations for drinking water with respect to bacteriological purity (40 CFR 141.14;14.21).

Coliform Count: < 1 cfu/100 mL

Microbiological Contaminants

Total Coliform	ND	ND	ND	--	--
Heterotrophic Plate Count	<1	<1	<1	--	--

Other Regulated Contaminants

ADDITIONAL INFORMATION

Tamper Evidence:
Breakaway cap with neck ring

Expected Shelf Life:
2 years

Storage Requirements:
Preferred conditions are cool, dry, and protected from heat, direct sunlight, and chemical contaminants that could adversely impact taste, odor, or appearance of package.

Shipping Requirements:
Preferred conditions are cool, dry, and protected from heat, direct sunlight, and chemical contaminants that could adversely impact taste, odor, or appearance of package.

TERMS

Maximum Contaminant Level (MCL): The highest level of a contaminant allowed in drinking water.

Nephelometric Turbidity Level (NTU): Measure of turbidity in water.

Pci/L: Pico-curies per liter (a measure of radioactivity).

ppb: Parts per billion or micrograms per liter (ug/L).

ppm: Parts per million or milligrams per liter (mg/L).

Turbidity: A measure of the clarity of drinking water.

SOQ: Standard of Quality