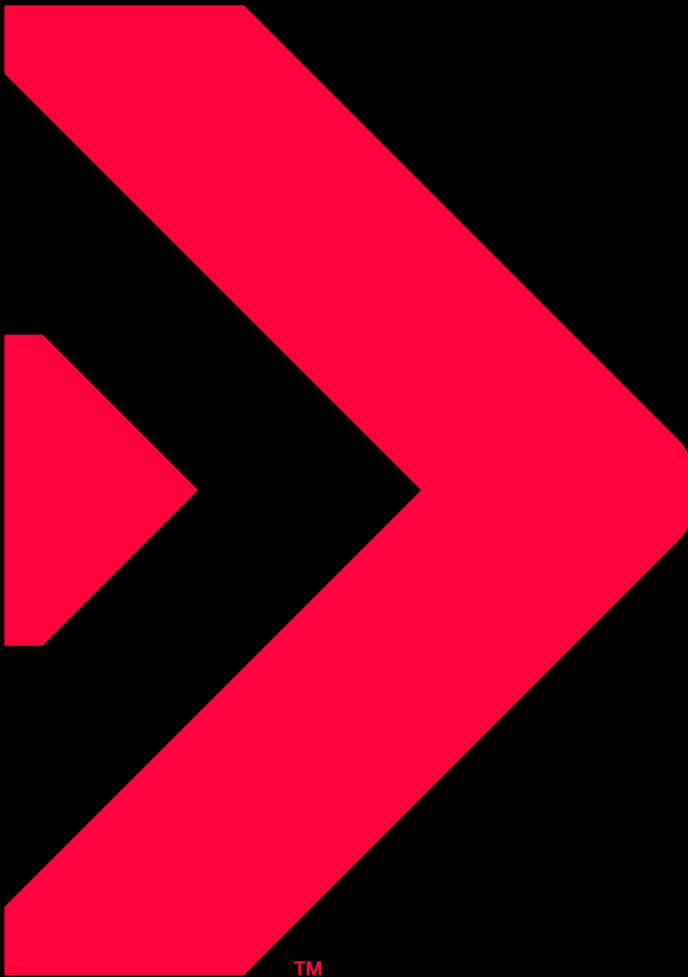


DEFIANCE  **FUEL** | STRUCTURED WATER

Water Quality Report 2019

© DEFIANCE FUEL
(877) 373-0481
INFO@DEFIANCEFUEL.COM



Water Quality Report 2019

Defiance Fuel is purified water from either natural or municipal sources with added minerals in precise ratios to create an enjoyably smooth taste and deliver our hydration technology.

The following water analysis demonstrates that Defiance Fuel meets or exceeds the requirements for safe drinking water as set forth by the U.S Food and Drug Administration (FDA), the Environmental Protection Agency (EPA), and local regulatory requirements. The following water quality analysis demonstrates that Defiance Fuel is in compliance with regulatory bottled water quality standards.

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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) or EPA Primary Standards or the guidance values for EPA.

"LRL" – This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

Substance/Contaminant	Standard	Units	LRL	Level Detected
Inorganic Analytes-Metals				
Aluminum	0.200	mg/L	0.05	ND
Antimony	0.006	mg/L	0.003	ND
Arsenic	0.010	mg/L	0.002	ND
Barium	2	mg/L	0.10	ND
Beryllium	0.004	mg/L	0.001	ND
Boron	--	mg/L	0.10	ND
Cadmium	0.005	mg/L	0.001	ND
Calcium	--	mg/L	2	ND
Chromium	0.100	mg/L	0.007	ND
Copper	1.0	mg/L	0.002	ND
Iron	0.3	mg/L	0.020	ND
Lead	0.015	mg/L	0.001	ND

Substance/Contaminant	Standard	Units	LRL	Level Detected
Magnesium	--	mg/L	0.10	1.9
Manganese	0.05	mg/L	0.004	ND
Mercury	0.002	mg/L	0.0002	ND
Nickel	--	mg/L	0.005	ND
Potassium	--	mg/L	1.0	10.0
Selenium	0.050	mg/L	.002	ND
Silica	--	mg/L	0.05	ND
Silver	0.10	mg/L	0.002	ND
Sodium	--	mg/L	1	ND
Thallium	0.002	mg/L	0.001	ND
Uranium	0.030	mg/L	0.001	ND
Zinc	5.000	mg/L	0.004	ND

Physical Factors

Alkalinity (Total as CaCO ₃)	--	mg/L	20	ND
Apparent Color	15.000	CU	3	ND
Bicarbonate (as CaCO ₃)	--	mg/L	20	ND
Carbonate (as CaCO ₃)	--	mg/L	20	ND
Corrosivity	--	SI	--	-3.91

Substance/Contaminant	Standard	Units	LRL	Level Detected
Foaming Agents	0.5	mg/L	0.1	ND
MBAS, calculated as Linear Alkylate Sulfonate (LAS), mol wt of 342.4 g/mol				
Hardness (as CaCO3)	--	mg/L	10	ND
Hydroxide (as CaCO3)	--	mg/L	20	ND
Odor Threshold	3.000	ton	1	ND
pH	6.5-8.5	pH units	--	7.5
pH Temperature	--	deg. C	--	21
Specific Cond. @ 25 deg. C	--	umhos/cm	1	51
Total Dissolved Solids	500.000	mg/L	5	30
Turbidity	1.000	NTU	0.1	ND

Inorganic Analytes-Other

Bromate	0.010	mg/L	0.005	ND
Bromide	--	mg/L	0.005	ND
Chloramine as Cl2	4.0	mg/L	0.05	ND
Chloride	250	mg/L	1.0	ND
Chlorine as Cl2	4.0	mg/L	0.05	ND
Chlorine Dioxide as Cl2	0.8	mg/L	0.1	ND
Chlorite	1.0	mg/L	0.005	ND

Substance/Contaminant	Standard	Units	LRL	Level Detected
Fluoride	4.000	mg/L	0.10	ND
Nitrate as N	10	mg/L	0.05	0.09
Nitrite as N	1	mg/L	0.05	ND
Ortho Phosphate	--	mg/L	2.0	ND
Sulfate	250	mg/L	5.0	7.2

Organic Analytes-Trihalomethanes

Bromodichloromethane	--	mg/L	0.005	ND
Bromoform	--	mg/L	0.005	ND
Chloroform	--	mg/L	0.005	ND
Dibromochloromethane	--	mg/L	0.005	ND
Total THMs	0.080	mg/L	0.005	ND

Organic Analytes-Haloacetic Acids

Dibromoacetic Acid	--	ug/L	1.0	ND
Dichloroacetic Acid	--	ug/L	1.0	ND
Monobromoacetic Acid	--	ug/L	1.0	ND
Monochloroacetic Acid	--	ug/L	1.0	ND
Trichloroacetic Acid	--	ug/L	1.0	ND
Total HAAs	60.000	ug/L	1.0	ND

Substance/Contaminant	Standard	Units	LRL	Level Detected
Organic Analytes-Volatiles				
1,1,1,2-Tetrachloroethane	--	mg/L	0.0005	ND
1,1,1-Trichloroethane	0.2	mg/L	0.0005	ND
1,1,2,2-Tetrachloroethane	--	mg/L	0.0005	ND
1,1,2-Trichloroethane	0.005	mg/L	0.0005	ND
1,1-Dichloroethane	--	mg/L	0.0005	ND
1,1-Dichloroethene	0.007	mg/L	0.0005	ND
1,1-Dichloropropene	--	mg/L	0.0005	ND
1,2,3-Trichlorobenzene	--	mg/L	0.0005	ND
1,2,3-Trichloropropane	--	mg/L	0.0005	ND
1,2,4-Trichlorobenzene	0.07	mg/L	0.0005	ND
1,2,4-Trimethylbenzene	--	mg/L	0.0005	ND
1,2-Dichlorobenzene	0.6	mg/L	0.0005	ND
1,2-Dichloroethane	0.005	mg/L	0.0005	ND
1,2-Dichloropropane	0.005	mg/L	0.0005	ND
1,3,5-Timethylbenzene	--	mg/L	0.0005	ND
1,3-Dichlorobenzene	--	mg/L	0.0005	ND
1,3-Dichloropropane	--	mg/L	0.0005	ND

Substance/Contaminant	Standard	Units	LRL	Level Detected
1,4-Dichlorobenzene	0.075	mg/L	0.0005	ND
2,2-Dichloropropane	--	mg/L	0.0005	ND
2-Chlorotoluene	--	mg/L	0.0005	ND
4-Chlorotoluene	--	mg/L	0.0005	ND
4-Isopropyltoluene	--	mg/L	0.0005	ND
Benzene	0.005	mg/L	0.0005	ND
Bromobenzene	--	mg/L	0.0005	ND
Bromochloromethane	--	mg/L	0.0005	ND
Bromomethane	--	mg/L	0.0005	ND
Carbon Tetrachloride	0.005	mg/L	0.0005	ND
Chlorobenzene	0.1	mg/L	0.0005	ND
Chloroethane	--	mg/L	0.0005	ND
Chloromethane	--	mg/L	0.0005	ND
cis-1,2-Dichloroethane	0.07	mg/L	0.0005	ND
cis-1,3-Dichloropropene	--	mg/L	0.0005	ND
Dibromomethane	--	mg/L	0.0005	ND
Dichlorodifluoromethane	--	mg/L	0.0005	ND
Dichloromethane	0.005	mg/L	0.0005	ND

Substance/Contaminant	Standard	Units	LRL	Level Detected
Ethylbenzene	0.7	mg/L	0.0005	ND
Hexachlorobutadiene	--	mg/L	0.0005	ND
Isopropylbenzene	--	mg/L	0.0005	ND
Methyl Tert Butyl Ether	--	mg/L	0.0005	ND
Methyl-Ethyl Ketone	--	mg/L	0.005	ND
Naphthalene	--	mg/L	0.0005	ND
n-Butylbenzene	--	mg/L	0.0005	ND
o-Xylene	--	mg/L	0.0005	ND
p and m-Xylenes	--	mg/L	0.0010	ND

Due to the limitation of the EPA Method 524.2, p and m isomers of Xylene are reported as aggregate

Propylbenzene	--	mg/L	0.005	ND
sec-Butylbenzene	--	mg/L	0.005	ND
Styrene	0.1	mg/L	0.005	ND
tert-Butylbenzene	--	mg/L	0.005	ND
Tetrachloroethene	0.005	mg/L	0.005	ND
Toluene	1	mg/L	0.005	ND
trans-1,2-Dichloroethane	0.1	mg/L	0.005	ND
trans-1,3-Dichloropropene	--	mg/L	0.005	ND

Substance/Contaminant	Standard	Units	LRL	Level Detected
Trichloroethene	0.005	mg/L	0.0005	ND
Trichlorofluoromethane	--	mg/L	0.0005	ND
Trichlorotrifluoroethane	--	mg/L	0.0005	ND
Vinyl Chloride	0.002	mg/L	0.0005	ND
Xylenes (Total)	10	mg/L	0.0005	ND

Organic Analytes-Other

1,2-Dibromo-3-chloropropane	0.0002	mg/L	0.00001	ND
1,2-Dibromomethane	0.00005	mg/L	0.00001	ND
2,4-D	70	ug/L	0.1	ND
3-Hydroxycarbofuran	--	ug/L	1.0	ND
Alachlor	2	ug/L	0.2	ND
Aldicarb	7	ug/L	1.0	ND
Aldicarb sulfone	7	ug/L	1.0	ND
Aldicarb sulfoxide	7	ug/L	1.0	ND
Aldrin	--	mg/L	0.00007	ND
Atrazine	3	ug/L	0.1	ND
Bentazon	--	ug/L	1.0	ND
Benzo(A)pyrene	0.2	ug/L	0.1	ND

Substance/Contaminant	Standard	Units	LRL	Level Detected
Butachlor	--	ug/L	0.2	ND
Carbaryl	--	ug/L	1.0	ND
Carbofuran	40	ug/L	1.0	ND
Chlordane	0.002	mg/L	0.0001	ND
Dalapon	200	ug/L	1	ND
Di(2-ethylhexyl) adipate	400	ug/L	0.2	ND
Di(2-ethylhexyl) phthalate	6	ug/L	0.6	ND
Dicamba	--	ug/L	1	ND
Dichloran	--	mg/L	0.001	ND
Dieldrin	--	mg/L	0.00002	ND
Dinoseb	7	ug/L	0.2	ND
Diquat	20	ug/L	0.4	ND
Endothall	100	ug/L	9	ND
Endrin	0.002	mg/L	0.00001	ND
Glyphosate	700	ug/L	6	ND
Heptachlor	0.0004	mg/L	0.00001	ND
Heptachlor Epoxide	0.0002	mg/L	0.00001	ND
Hexachlorobenzene	0.001	mg/L	0.0001	ND

Substance/Contaminant	Standard	Units	LRL	Level Detected
Hexachlorocyclopentadiene	0.05	mg/L	0.0001	ND
Lindane	0.0002	mg/L	0.00002	ND
Methomyl	--	ug/L	1.0	ND
Methoxychlor	0.04	mg/L	0.0001	ND
Metolachlor	--	ug/L	0.2	ND
Metribuzin	--	ug/L	0.2	ND
Molinate	--	ug/L	0.2	ND
Oxamyl	200	ug/L	1.0	ND
Pentachloronitrobenzene	--	mg/L	0.0001	ND
Pentachlorophenol	1	ug/L	0.04	ND
Picloram	500	ug/L	0.1	ND
Propachlor	--	ug/L	0.2	ND
Silvex 2,4,5-TP	50	ug/L	0.2	ND
Simazine	4	ug/L	0.1	ND
Thiobencarb	--	ug/L	0.2	ND
Total PCBs	0.0005	mg/L	0.0005	ND
Total Phenols	--	mg/L	0.001	ND
Toxaphene	0.003	mg/L	0.001	ND

Substance/Contaminant	Standard	Units	LRL	Level Detected
Trifluralin	--	mg/L	0.001	ND
Microbiologicals				
E. Coli	1	MPN/100mL	1	ND
Standard Plate Count	500	CFU/ml	1	<1
Pour Plate Method, 35° C/48hr, Plate Count Agar				
Total Coliform	1	MNP/100mL	1	ND

FOR MORE INFORMATION, QUESTIONS, OR CONCERNS, PLEASE CONTACT: INFO@DEFIANCEFUEL.ORG