

**1141769**  
**NICOLET FOREST BOTTLING**  
**P O BOX 43**

**MOUNTAIN, WI 54149-**

*Source:* Nicolet Well

*Report Date:* 01/11/2011

*Sample ID's NTL; BTL:* 724476;

## **Executive Summary**

National Testing Laboratories, Ltd. is pleased to provide you with results of your 2010 annual testing in this Water Analysis Terms and Explanations Report binder. This binder is provided to you as part of our comprehensive annual testing package. In response to customer requests, this WATER binder is designed so that you can quickly locate, interpret, and convey analytical data regarding the quality of your products and sources.

### **Summary of Analytical Testing Results**

The sample referenced above was submitted by your organization to our laboratory for 2010 annual testing. All analyses were performed by certified laboratories in conformance with NELAC standards and using USEPA approved methods. The analyses performed were customized to meet the regulatory requirements for annual testing of chemical and physical contaminants based upon the Beverage Company Profile your organization completed. All analyses have been completed and reviewed for compliance to FDA/EPA and IBWA standards.

**This sample meets all the FDA 21 CFR Sec. 165.110 (b), EPA, and IBWA  
Standards of Quality, unless otherwise indicated below.**

The Compliance Summary included in this WATER binder contains detailed information on the analytes tested and results obtained, in comparison to industry and federal standards. In addition, this WATER binder includes other helpful information such as a Glossary of Terms, Analyte Reference Guide, and sections of the FDA Code of Federal Register (CFR's) that are applicable to bottled water production.

Feedback from you is important to us. If you have any questions regarding the analytical testing performance or comments and suggestions on this WATER binder, please contact a Beverage Group Representative at 800-458-3330, Option #5. If you prefer, you can email us at [food-bev@ntllabs.com](mailto:food-bev@ntllabs.com).

Sincerely,

Robert W. Gelbach  
President, National Testing Laboratories, Ltd.

# Beverage Compliance Summary



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**Lower Reporting Limit:** The smallest quantity of an analyte that our instruments can detect with accuracy.

**Result:** The value obtained from laboratory analysis. All results are expressed in mg/l unless otherwise specified.

**EPA MCL:** The maximum contaminant level for the analyte as determined by the Environmental Protection Administration.

**FDA SOQ:** The maximum acceptable level or standard of quality for the analyte as determined by the Food and Drug Administration.

**IBWA SOQ:** The maximum acceptable level or standard of quality for the analyte as determined by the International Bottled Water Association.

A blank or NA in one of the last three columns indicates that no maximum level has been established for that analyte.

Any RESULT in **RED** indicates that the value has exceeded the EPA MCL or one of the Standards of Quality.

Federal I.D. Number	Analyte	Method	Lower Reporting Limit mg/l	Result mg/l	EPA MCL mg/l	FDA SOQ mg/l	IBWA SOQ mg/l
<b>Inorganics</b>							
1002	Aluminum	200.7	0.05	ND	0.2 (2)	0.2 (2)	0.2 (2)
1074	Antimony	200.8	0.003	ND	0.006 (5)	0.006 (5)	0.006 (5)
1005	Arsenic	200.8	0.002	ND	0.01	0.01	0.01
1010	Barium	200.8	0.10	ND	2	2	1
1075	Beryllium	200.8	0.001	ND	0.004 (5)	0.004 (5)	0.004 (5)
1079	Boron	200.7	0.10	ND			
1004	Bromide	300.1	0.005	0.016			
1015	Cadmium	200.8	0.001	ND	0.005	0.005	0.005
1016	Calcium	200.7	2.0	37			
1017	Chloride	300.0	1	31	250 (2) (7)	250 (2) (7)	250 (2) (7)
1020	Chromium	200.8	0.007	ND	0.1	0.1	0.05
1022	Copper	200.8	0.002	ND	1 (2)	1 (2)	1 (2)
1024	Cyanide	4500CNF	0.02	ND	0.2 (5)	0.1 (5)	0.1 (5)
1025	Fluoride	300.0	0.10	0.38	4 (1)	(1)	(1)
1028	Iron	200.7	0.020	ND	0.3 (2) (7)	0.3 (2) (7)	0.3 (2) (7)
1030	Lead	200.8	0.001	ND	0.015	0.005	0.005
1031	Magnesium	200.7	0.10	13			
1032	Manganese	200.8	0.004	ND	0.05 (2) (7)	0.05 (2) (7)	0.05 (2) (7)
1035	Mercury	200.8	0.0002	ND	0.002	0.002	0.001
1036	Nickel	200.8	0.005	ND		0.1 (5)	0.1 (5)
1040	Nitrate (as N)	300.0	0.05	0.36	10	10	10
1041	Nitrite (as N)	300.0	0.5	ND	1	1	1
1044	Ortho Phosphate	300.0	2.0	ND			
1042	Potassium	200.7	1.0	2.2			
1045	Selenium	200.8	0.002	ND	0.05	0.05	0.01
1050	Silver	200.8	0.002	ND	0.1 (2)	0.1 (2)	0.025 (2)
1052	Sodium	200.7	1	13			

Federal I.D. Number	Analyte	Method	Lower Reporting Limit mg/l	Result mg/l	EPA MCL mg/l	FDA SOQ mg/l	IBWA SOQ mg/l
1055	Sulfate	300.0	5	8	250 (2) (7)	250 (2) (7)	250 (2) (7)
1085	Thallium	200.8	0.001	ND	0.002 (5)	0.002 (5)	0.002 (5)
1095	Zinc	200.8	0.004	ND	5 (2) (7)	5 (2) (7)	5 (2) (7)
<b>Physical Factors</b>							
1927	Alkalinity (Total)	2320B	20	110			
1905	Color	2120B	3.0	ND	15 (2)	15 (2) (7)	5
1910	Corrosivity	Langelier Index	---	-0.22	(2)		
2905	Foaming Agents	5540C	0.1	ND	0.5 (2)		
1915	Hardness (as CaCO3)	2340C	10	140			
1920	Odor	2150B	---	ND	3 (2)	3 (2)	3
1925	pH (Standard Units)	150.1	---	7.6	(2) (24)	(2) (8)	(2) (8)
4254	pH Temperature	150.1	---	14			
1930	TDS	2540C	5	190	500 (2) (7)	500 (2) (7)	500 (2) (7)
0100	Turbidity (NTU)	2130B	0.1	ND	1.0	5	0.5
<b>D/DBP's - THM</b>							
2943	Bromodichloromethane	524.2	0.0005	ND	(6)	(6)	(6)
2942	Bromoform	524.2	0.0005	ND	(6)	(6)	(6)
2941	Chloroform	524.2	0.0005	ND	(6)	(6)	(6)
2944	Dibromochloromethane	524.2	0.0005	ND	(6)	(6)	(6)
2950	Total THM's	524.2	0.0005	ND	0.08	0.08	0.01
<b>Organic Chemicals</b>							
2986	1,1,1,2-Tetrachloroethane	524.2	0.0005	ND			
2981	1,1,1-Trichloroethane	524.2	0.0005	ND	0.2	0.2	0.03
2988	1,1,2,2-Tetrachloroethane	524.2	0.0005	ND			
2985	1,1,2-Trichloroethane	524.2	0.0005	ND	0.005	0.005	0.003
2978	1,1-Dichloroethane	524.2	0.0005	ND			
2977	1,1-Dichloroethene	524.2	0.0005	ND	0.002	0.002	0.002
2410	1,1-Dichloropropene	524.2	0.0005	ND			
2420	1,2,3-Trichlorobenzene	524.2	0.0005	ND			
2414	1,2,3-Trichloropropane	524.2	0.0005	ND			
2378	1,2,4-Trichlorobenzene	524.2	0.0005	ND	0.07	0.07	0.009
2418	1,2,4-Trimethylbenzene	524.2	0.0005	ND			
2946	1,2-Dibromoethane (EDB)	504.1	0.00001	ND	0.00005	0.00005	0.00005
2968	1,2-Dichlorobenzene	524.2	0.0005	ND	0.6	0.6	0.6
2980	1,2-Dichloroethane	524.2	0.0005	ND	0.005	0.005	0.002
2983	1,2-Dichloropropane	524.2	0.0005	ND	0.005	0.005	0.005
2424	1,3,5-Trimethylbenzene	524.2	0.0005	ND			
2967	1,3-Dichlorobenzene	524.2	0.0005	ND			
2412	1,3-Dichloropropane	524.2	0.0005	ND			
2969	1,4-Dichlorobenzene	524.2	0.0005	ND	0.075	0.075	0.075
2416	2,2-Dichloropropane	524.2	0.0005	ND			
2063	2,3,7,8-TCDD (Dioxin)(17)	1613B	5pg/L	ND	0.00000003	0.00000003	0.00000003

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2105	2,4-D	515.3	0.0001	ND	0.07	0.07	0.07
2965	2-Chlorotoluene	524.2	0.0005	ND			
2066	3-Hydroxycarbofuran	531.1	0.0010	ND			
2966	4-Chlorotoluene	524.2	0.0005	ND			
2030	4-Isopropyltoluene	524.2	0.0005	ND			
2051	Alachlor	525.2	0.0002	ND	0.002	0.002	0.002
2047	Aldicarb	531.1	0.0010	ND	0.007		0.003
2044	Aldicarb sulfone	531.1	0.0015	ND	0.007		0.003
2043	Aldicarb sulfoxide	531.1	0.0010	ND	0.007		0.004
2356	Aldrin	525.2	0.00007	ND			
2050	Atrazine	525.2	0.0001	ND	0.003	0.003	0.003
2990	Benzene	524.2	0.0005	ND	0.005	0.005	0.001
2306	Benzo(A)pyrene	525.2	0.0002	ND	0.0002	0.0002	0.0002
2993	Bromobenzene	524.2	0.0005	ND			
2430	Bromochloromethane	524.2	0.0005	ND			
2214	Bromomethane	524.2	0.0005	ND			
2076	Butachlor	525.2	0.0002	ND			
2021	Carbaryl	531.1	0.0015	ND			
2046	Carbofuran	531.1	0.0020	ND	0.04	0.04	0.04
2982	Carbon Tetrachloride	524.2	0.0005	ND	0.005	0.005	0.005
2959	Chlordane	505	0.0001	ND	0.002	0.002	0.002
2989	Chlorobenzene	524.2	0.0005	ND	0.1	0.1	0.05
2216	Chloroethane	524.2	0.0005	ND			
2210	Chloromethane	524.2	0.0005	ND			
2380	cis-1,2-Dichloroethene	524.2	0.0005	ND	0.07	0.07	0.07
2228	cis-1,3-Dichloropropene	524.2	0.0005	ND			
2031	Dalapon	515.3	0.001	ND	0.2	0.2	0.2
2035	Di(2-ethylhexyl)adipate	525.2	0.0002	ND	0.4	0.4	0.4
2039	Di(2-ethylhexyl)phthalate	525.2	0.0006	ND	0.006		0.006
2931	Dibromochloropropane (DBCP)	504.1	0.00001	ND	0.0002	0.0002	0.0002
2408	Dibromomethane	524.2	0.0005	ND			
2440	Dicamba	515.3	0.0001	ND			
2933	Dichloran	505	0.001	ND			
2212	Dichlorodifluoromethane	524.2	0.0005	ND			
2964	Dichloromethane	524.2	0.0005	ND	0.005	0.005	0.003
2070	Dieldrin	525.2	0.00002	ND			
2041	Dinoseb	515.3	0.0001	ND	0.007	0.007	0.007
2032	Diquat	549.2	0.001	ND	0.02 (5)	0.02 (5)	0.02 (5)
2033	Endothall	548.1	0.009	ND	0.1 (5)	0.1 (5)	0.1 (5)
2005	Endrin	525.2	0.00001	ND	0.002	0.002	0.002
2992	Ethylbenzene	524.2	0.0005	ND	0.7	0.7	0.7
2034	Glyphosate	547	0.006	ND	0.7 (5)	0.7 (5)	0.7 (5)
2065	Heptachlor	525.2	0.00001	ND	0.0004	0.0004	0.0004

Federal I.D. Number	Analyte	Method	Lower Reporting Limit mg/l	Result mg/l	EPA MCL mg/l	FDA SOQ mg/l	IBWA SOQ mg/l
2067	Heptachlor Epoxide	525.2	0.00001	ND	0.0002	0.0002	0.0002
2274	Hexachlorobenzene	525.2	0.0001	ND	0.001	0.001	0.001
2246	Hexachlorobutadiene	524.2	0.0005	ND			
2042	Hexachlorocyclopentadiene	525.2	0.0001	ND	0.05	0.05	0.05
2994	Isopropylbenzene	524.2	0.0005	ND			
2010	Lindane (G-BHC)	525.2	0.00002	ND	0.0002	0.0002	0.0002
2022	Methomyl	531.1	0.0015	ND			
2015	Methoxychlor	525.2	0.0001	ND	0.04	0.04	0.04
2251	Methyl Tert Butyl Ether	524.2	0.0005	ND			0.07
2247	Methyl-Ethyl Ketone	524.2	0.005	ND			
2045	Metolachlor	525.2	0.0002	ND			
2595	Metribuzin	525.2	0.0002	ND			
2626	Molinate	525.2	0.0002	ND			
2995	m-Xylene(1)	524.2	0.0005	ND			
2248	Naphthalene	524.2	0.0005	ND			0.3
2422	n-Butylbenzene	524.2	0.0005	ND			
2036	Oxamyl	531.1	0.0015	ND	0.2	0.2	0.2
2997	o-Xylene	524.2	0.0005	ND			
2934	Pentachloronitrobenzene	505	0.0001	ND			
2326	Pentachlorophenol	515.3	0.00004	ND	0.001	0.001	0.001
2040	Picloram	515.3	0.0001	ND	0.5	0.5	0.5
2383	Polychlorinated biphenyls (PCBs)	505	0.0005	ND	0.0005	0.0005	0.0005
2077	Propachlor	525.2	0.0002	ND			
2998	Propylbenzene	524.2	0.0005	ND			
2962	p-Xylene(1)	524.2	0.0005	ND			
2428	sec-Butylbenzene	524.2	0.0005	ND			
2110	Silvex (2,4,5-TP)	515.3	0.0001	ND	0.05	0.05	0.01
2037	Simazine	525.2	0.0001	ND	0.004	0.004	0.004
2996	Styrene	524.2	0.0005	ND	0.1	0.1	0.1
2426	tert-Butylbenzene	524.2	0.0005	ND			
2987	Tetrachloroethene	524.2	0.0005	ND	0.005	0.005	0.001
2991	Toluene	524.2	0.0005	ND	1	1	1
2910	Total Phenols	420.1	0.001	ND		0.001	0.001
2020	Toxaphene	505	0.001	ND	0.003	0.003	0.003
2979	trans-1,2-Dichloroethene	524.2	0.0005	ND	0.1	0.1	0.1
2224	trans-1,3-Dichloropropene	524.2	0.0005	ND			
2984	Trichloroethene	524.2	0.0005	ND	0.005	0.005	0.001
2218	Trichlorofluoromethane	524.2	0.0005	ND			
2904	Trichlorotrifluoroethane	502.2	0.0005	ND			
2055	Trifluralin	525.2	0.001	ND			
2976	Vinyl Chloride	524.2	0.0005	ND	0.002	0.002	0.002
2955	Xylenes (Total)	524.2		ND	10	10	1

**Radiologicals**

Federal I.D. Number	Analyte	Method	Lower Reporting Limit mg/l	Result mg/l	EPA MCL mg/l	FDA SOQ mg/l	IBWA SOQ mg/l
4109	Gross Alpha Particle (10)	900.0	1.14	-0.282 ± 0.514	15 (14)	15 (14)	15 (14)
4100	Gross Beta Particle (10)	900.0	0.914	0.262 ± 0.465	50 (15)	50 (15)	50 (15)
4020	Radium-226 (10)	903.1	0.545	-0.059 ± 0.199	5 (14)	5 (14)	5 (14)
4030	Radium-228 (10)	903.1	0.873	0.764 ± 0.446	5 (14)	5 (14)	5 (14)
4006	Total Uranium by KPA (10)	D5174	0.001	0.000	0.03	0.03	0.03

Summary Report Notes:

- SOQ dependent upon temperature and other factors.
- Secondary Inorganic Parameter: SOQ's are established for evaluating aesthetic (non-health related) properties in water.
- pCi/L (Pico Curries per Liter): Measurement for radiological contaminants.
- pg/L (Picograms per Liter): Measurement for Dioxin.
- Included in FDA's 9 contaminant regulations.
- No SOQ's or MCL's established for individual trihalomethane (THM's) and haloacetic acid (HAA) contaminants. The sum of the four THM's and HAA's is regulated as total trihalomethanes (TTHM's) and total haloacetic acids (HAA's).
- Mineral water is exempt from allowable level. The exemptions are aesthetically based allowable levels and do not relate to a health concern.
- Both the FDA and IBWA Model Code guidelines for pH in purified water are 5.0 – 7.0. The guideline for source water and other product waters is 6.5 – 8.5. NOTE: This guideline is not enforceable.
- Analysis was performed by EMSL Analytical, Inc (Westmont, NJ).
- Analysis was performed by Pace Analytical Services (Greensburg, PA).
- Analysis was performed by Radon Diagnostics Laboratory (Auburn, ME).
- Analysis was performed by Underwriters Laboratories Inc (South Bend, IN).
- Laboratory MDL. UL has demonstrated it can achieve this method validation limit in reagent water but can not document them in all sample matrices.
- Gross Alpha results over 5 pCi/L trigger testing for Radium-226 and Radium 228 (which may already be required under other regulations). No SOQ's or MCL's established for Radium-226 and Radium-228 individually. The sum of Radium-226 and Radium-228 should not exceed 5 pCi/L.
- Gross Beta results over 8 pCi/L trigger testing for man made radio nuclides: strontium 90 and tritium.
- Borate calculated as H3BO3 from Boron analysis.
- Analysis was performed by Pace Analytical Services (Minneapolis, MN).
- ABWI guideline pH value is between 3.5 – 8.5.
- Analysis was performed by RTI Laboratories, Inc (Livonia, MI).
- Analysis was performed by GreenWater Laboratories (Palatka, FL)
- Analysis was performed by Benchmark Environmental Laboratories (Columbus, OH).
- Analysis was performed by Metrohm-Peak LLC (Houston, TX).
- Hydrogen sulfide determined based on Standard Method 4500-S2-H for approximating hydrogen sulfide from total sulfide.
- EPA guideline pH value is between 6.5 – 8.5.
- According to W.H.O. – available data does not support the establishment of a health-based guideline value for this contaminant in drinking water.

This compliance summary report is provided as a courtesy to our customers and should only be used for regulatory compliance if submitted in combination with all individual laboratory reports from National Testing Laboratories and sub-contracted laboratories.