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**Optimal Harmony Water Co.  
619 Church Street, Ste. 1003  
Ottumwa, IA 52501**

**KAR Project No. : 601542  
Date Reported : 03/01/16  
Date Activated : 02/16/16  
Date Due : 03/01/16  
Date Validated : 03/01/16**

**Attn :**

**Project  
Description : Analysis of one Bottled Water Concentrate.**

Dear Client,

Your laboratory data is presented to you in this report. Unless otherwise stated under the "Comments" heading, all tests were performed within the maximum allowable holding times, have met or exceeded QC requirements and the result represents the sample as it was received. If a sample was identified as drinking water under the Safe Drinking Water Act, the "Comments" column may also contain federal drinking water information including MCL which is the Maximum Contaminant Level set by USEPA. Values enclosed in brackets ([]) are Secondary MCL's and are non-enforceable guidelines for aesthetic quality.

If you wish to contact us about this work please mention KAR Project No. 601542. To arrange additional sampling or testing please contact our Client Services Department. If you have any questions regarding quality assurance please contact us.

Thank you for the opportunity to serve you. Please do not hesitate to call if we can provide additional assistance.

Respectfully submitted,

  
David R. Alkema  
Laboratory Manager

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## LABORATORY DETAIL REPORT

Client: *Optimal Harmony Water Co.*

KAR Project No. : **601542**

Attest:   
David R. Alkema, Lab Manager

Date Reported: **03/01/16**

**Project**

**Description : *Analysis of one Bottled Water Concentrate.***

Sample ID : <b><u>"OH11.10.5p"</u></b>	Date Received : <b>02/16/16</b>
Sampled By :	Sample Type : <b>aqueous</b>
Sample Date :	KAR Sample No. : <b>601542-01</b>
Sample Time :	

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Water Test Kit-Anions	See below		EPA 300.0A	02/24/16	ALK	
Water Test Kit-Metals (MS)	See below		EPA 200.8	02/26/16	NHM	
Water Test Kit-Metals (OES1)	See below		EPA 200.7	02/18/16	JHB	
Prep, 1631	Completed		EPA 1631E	02/17/16	JHB	
Aluminum, total	<1	mg/L	EPA 200.7	02/18/16	JHB	
Antimony, total	<0.005	mg/L	EPA 200.8	02/26/16	NHM	
Arsenic, total	<0.002	mg/L	EPA 200.8	02/26/16	NHM	
Barium, total	<0.5	mg/L	EPA 200.7	02/18/16	JHB	
Beryllium, total	<0.002	mg/L	EPA 200.8	02/26/16	NHM	
Bismuth, total	<0.1	mg/L	EPA 200.8	02/26/16	NHM	
Boron, total	<0.5	mg/L	EPA 200.7	02/18/16	JHB	
Cadmium, total	<0.001	mg/L	EPA 200.8	02/26/16	NHM	
Calcium, total	882	mg/L	EPA 200.7	02/18/16	JHB	
Cerium, total	<0.005	mg/L	EPA 200.8	02/26/16	NHM	
Cesium, total	<0.02	mg/L	EPA 200.8	02/26/16	NHM	
Chromium, hexavalent	0.014	mg/L	EPA 7196A	02/16/16	JWW	
Chromium, total	<0.1	mg/L	EPA 200.7	02/18/16	JHB	
Cobalt, total	<0.2	mg/L	EPA 200.7	02/18/16	JHB	
Copper, total	<0.2	mg/L	EPA 200.7	02/18/16	JHB	
Dysprosium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Erbium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Europium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Gallium, total	<0.02	mg/L	EPA 200.8	02/26/16	NHM	
Germanium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Gold, total	<0.02	mg/L	EPA 200.8	02/26/16	NHM	
Hafnium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Holmium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Indium, total	<0.02	mg/L	EPA 200.8	02/26/16	NHM	
Iridium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Iron, total	<0.1	mg/L	EPA 200.7	02/18/16	JHB	
Lanthanum, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Lead, total	0.001	mg/L	EPA 200.8	02/26/16	NHM	
Lithium, total	<0.5	mg/L	EPA 200.7	02/18/16	JHB	
Lutetium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Magnesium, total	<1	mg/L	EPA 200.7	02/18/16	JHB	
Manganese, total	<0.05	mg/L	EPA 200.7	02/18/16	JHB	
Mercury by EPA 1631	<0.025	ug/L	EPA 1631E	02/18/16	JHB	
Molybdenum, total	<0.2	mg/L	EPA 200.7	02/18/16	JHB	
Neodymium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Nickel, total	<0.2	mg/L	EPA 200.7	02/18/16	JHB	
Niobium, total	<0.05	mg/L	EPA 200.8	02/26/16	NHM	
Palladium, total	<0.01	ma/L	EPA 200.8	02/26/16	NHM	

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KAR Project No. : **601542**

Attest:   
David R. Alkema, Lab Manager

Date Reported: **03/01/16**

### Project

Description : *Analysis of one Bottled Water Concentrate.*

Sample ID : <b>"OH11.10.5p"</b>	Date Received : <b>02/16/16</b>
Sampled By :	Sample Type : <b>aqueous</b>
Sample Date :	KAR Sample No. : <b>601542-01</b>
Sample Time :	

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Phosphorus, total, by ICP	<5	mg/L	EPA 200.7	02/18/16	JHB	
Platinum, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Potassium, total	<1	mg/L	EPA 200.7	02/18/16	JHB	
Praseodymium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Rhenium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Rhodium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Rubidium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Ruthenium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Samarium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Scandium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Selenium, total	0.006	mg/L	EPA 200.8	02/26/16	NHM	
Silver, total	<0.005	mg/L	EPA 200.8	02/26/16	NHM	
Sodium, total	9.4	mg/L	EPA 200.7	02/18/16	JHB	
Strontium, total	<1	mg/L	EPA 200.7	02/18/16	JHB	
Sulfur, total, by ICP	<5	mg/L	EPA 200.7	02/18/16	JHB	
Tantalum, total	<0.05	mg/L	EPA 200.8	02/26/16	NHM	
Tellurium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Terbium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Thallium, total	<0.002	mg/L	EPA 200.8	02/26/16	NHM	
Thorium, total	<0.02	mg/L	EPA 200.8	02/26/16	NHM	
Thulium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Tin, total	<0.1	mg/L	EPA 200.8	02/26/16	NHM	
Titanium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Tungsten, total	<0.05	mg/L	EPA 200.8	02/26/16	NHM	
Uranium, total	<0.02	mg/L	EPA 200.8	02/26/16	NHM	
Vanadium, total	<0.02	mg/L	EPA 200.8	02/26/16	NHM	
Ytterbium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Yttrium, total	<0.01	mg/L	EPA 200.8	02/26/16	NHM	
Zinc, total	<0.2	mg/L	EPA 200.7	02/18/16	JHB	
Zirconium, total	<0.05	mg/L	EPA 200.8	02/26/16	NHM	
Alkalinity (as CaCO3)	2200	mg/L	SM 2320 B	02/26/16	AJK	Hydroxide alkalinity comprises 2100 mg/L (as CaCO3) of the total alkalinity.
Bicarbonate (as CaCO3)	<5	mg/L	SM 2320 B	02/26/16	AJK	
Bromide	<0.25	mg/L	EPA 300.0A	02/26/16	ALK	
Carbonate (as CaCO3)	100	mg/L	SM 2320 B	02/26/16	AJK	
Chlorate	<0.25	mg/L	EPA 300.0A	02/26/16	ALK	
Chloride	11.0	mg/L	EPA 300.0A	02/26/16	ALK	
Color	<5	color units	SM 2120 B	02/17/16	MHK	
Conductivity	8680	micromhos/cm	EPA 120.1	02/16/16	RLM	
Corrosivity, Langelier Index	7.7	S.U.	SM 2330 B	02/29/16	AJK	
Corrosivity, Ryznar Index	-2.2	S.U.	SM 2330 B	02/29/16	AJK	
Fluoride	<1.3	mg/L	EPA 300.0A	02/24/16	ALK	

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Sampled By :	Sample Type : <b>aqueous</b>
Sample Date :	KAR Sample No. : <b>601542-01</b>
Sample Time :	

Test	Result	Units of Measure	Method	Analyzed	Analyst	Comments
Hardness	2200	mg/L (as CaCO3)	SM 2340 B	02/18/16	JHB	
Hardness (gpg)	128	grains/gallon	SM 2340 B	02/18/16	JHB	
Nitrogen, nitrate	0.6	mg/L	EPA 300.0A	02/26/16	ALK	
Nitrogen, nitrite	<0.25	mg/L	EPA 300.0A	02/26/16	ALK	
Orthophosphate	<1	mg/L	EPA 300.0A	02/26/16	ALK	
PH	13.2	S.U.	SM 4500-H B	02/16/16	RLM	
Salinity	4.40	ppt	SM 2520 B	02/16/16	AJK	
Silica	<5	mg/L	EPA 200.7	02/18/16	JHB	
Sodium ads. ratio, adjusted	0.05		KAR	02/29/16	NHM	
Sodium adsorption ratio	0.09		KAR	02/29/16	NHM	
Sulfate	<5	mg/L	EPA 300.0A	02/26/16	ALK	
Turbidity	6.08	NTU	SM 2130 B	02/17/16	STC	
Tot. diss. solids, estimated	7810	mg/L	EPA 120.1	02/16/16	AJK	