



# WELL WATER TESTING PACKAGES FOR HOMEOWNERS

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1329 Niakwa Rd East, Unit 12 • Winnipeg, MB Canada R2J 3T4 • Phone: +1 204 255 9720

Bottles for water testing may be obtained from your local Municipal Office, Manitoba Water Stewardship Office, Manitoba Conservation office, Agriculture Office or Water Services Board. They can also be picked up at the laboratory from 8:00 a.m. to 4:30 p.m. Monday through Friday.

Please follow the sampling instructions that are printed on the back of the sample submission form.

Package	Analysis Included	Price with GST*
WP1	Total coliform and E.coli. Samples must be submitted within thirty hours of sampling in a sterile bottle provided by the Laboratory.	\$35.00
Nitrates	Nitrates and Nitrites - Submit within 30 hours of sampling	\$35.00
WP-Single M	Analysis of any ONE of the following: Arsenic, Boron, Barium, Lead or Uranium	\$55.00
UV Transmittance	Ultraviolet transmittance analysis is recommended when ultraviolet light disinfection is used.	\$35.00
WP 2	Calcium, Magnesium, Hardness, Sodium, Potassium, Manganese, Copper, Iron, Zinc, Nitrates and Nitrites, Chloride, Sulphate, pH, and Conductivity. Submit within 48 hours of sampling.	\$85.00
WP2 plus MACS	All parameters in WP2 plus Arsenic, Barium, Boron, Fluoride, Lead and Uranium	\$100.00
WP 3	Water Softener Suitability: Calcium, Magnesium, Hardness, Iron, Manganese, and Sodium	\$65.00

\*Prices subject to change without notification

Notes:

- Prices include all taxes and are effective for the 2014 Calendar year.
- Please follow the sampling instructions printed on the back side of the sample submission form.
- Bacterial samples (WP1) must be taken in the 100 mL sterile bottle provided by the Laboratory. Other samples have no specific bottle requirement however we do require 500 mLs of sample.



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- Samples must be received by the Laboratory within 30 hours of sampling. Samples can be submitted in-person, Monday to Friday between 8:00 a.m. and 4:30 p.m., or shipped by bus, Purolator or Express Post to: ALS Environmental, Unit 12 - 1329 Niakwa Road East, Winnipeg, MB, R2J 3T4. Sending samples by mail is not recommended as samples will be received after the 30 hour maximum holding time.
- Payment must be sent with sample, cheques made payable to ALS Canada Ltd.
- If you have any questions regarding sampling payment options, please contact the Laboratory at 1 204 255-9720 or toll free at 1 800 607-7555.
- For result interpretation, please review the table on the back of this page, it list the Drinking Water objectives. Additional information is available from the Office of Drinking Water at 204 948-1351, or refer to their website [www.manitoba.ca/drinkingwater](http://www.manitoba.ca/drinkingwater)

### INTERPRETING YOUR DRINKING WATER RESULTS

Parameter	Health Limit**	Aesthetic Limit**	Comments
Total Coliform	1/100 mL	None	Adverse health effects: Consult Office of Drinking Water
Escherichia coli (E. Coli)	1/100 mL	None	E.coli is a specific coliform bacterium that can cause serious health problems. Discontinue use of this water. Contact the Office of Drinking Water for more information
Alkalinity	No Health Risk	30-500 mg/L	Not considered harmful.
Arsenic	0.010 mg/L	None	Adverse health effects: Consult Office of Drinking Water
Barium	1.0 mg/L	None	Consult the fact sheet prepared by the ODW
Boron	5.0 mg/L	None	Consult the fact sheet prepared by the ODW
Calcium	No Health Risk	See Hardness	Contributes to water hardness
Chloride	No Health Risk	250 mg/L	Essential to health, but gives water a bad taste
Conductivity (EC)	No Health Risk	None	Indicates levels of dissolved salts and minerals
Copper	No Health Risk	1.0 mg/L	Essential to human health, but gives water a bad taste
Hardness	No Health Risk	None 17.1 mg/L = 1 grain/gal hardness	0-199 mg/L = Good 200-499 mg/L = Hard 500 mg/L + Very Hard
Fluoride	1.5 mg/L	None	Long term exposure above 1.5 mg/L may cause mottling of tooth enamel. Consult your dentist or physician for more information.
Iron	No Health Risk	0.3 mg/L	Water with high Iron may have a poor taste and cause staining of plumbing & contribute to odour issues.
Magnesium	No Health Risk	See Hardness	Contributes to water hardness.
Manganese	No Health Risk	0.05 mg/L	Water with high manganese may have a poor taste and cause staining of plumbing.
Lead	0.01 mg/L	None	Extended exposure may negatively affect intellectual development and behavior in infants and young children (under 6 years)
Nitrate/Nitrite -N	10 mg/L	None	Levels above 10 mg/L may cause blue-baby syndrome: consult a physician for more information
pH	No Health Risk	6.5-8.5 Desirable	No direct health implications. Aesthetic concerns: High pH = Water scales Low pH = Water is corrosive
Potassium	No Health Risk	None	Essential to human health, but gives water a bad taste
Sodium	No Health Risk	200 mg/L	Salty taste to the water, which is unpleasant to most people
Sulfates	No Health Risk	500 mg/L	Drinking water with high levels of sulfate may cause stomach irritation & laxative effect
Uranium	0.02 mg/L	None	Consult the fact sheet prepared by the ODW

\*Comments obtained from the Office of Drinking Water Province of Manitoba

\*\* Canadian Drinking Water Quality Guidelines

