

# Olsen's Agricultural Laboratory, Inc.

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## Water Sample Submittal Form

Account Number, Name & Address	Bill To
	Extra Copies To
	e-Mail (PDF) Copies To
	e-Mail Address
	FAX To
	FAX No.

Name	Sample Identification	Date Sampled	Time Sampled	Lab Test Code

**TOTAL COLIFORM & E. COLI BACTERIA TESTS:**

Please refer to section #4 under "Directions for Collecting Water Samples" on the back of this form. The sample must be received by the laboratory within 30 hours after collection to avoid sample rejection. Thank you.

LAB TEST CODE	Request Water Sample Supplies	LAB USE ONLY
1. Household or Livestock Suitability: pH, EC, TDS, CO3, HCO3, Alk, Hardness, Ca, Mg, K, Na, Cl, NO3-N, SO4-S, Fe, Mn	Quantity      Item	_____ Sterile
2. Household Suitability plus Purity: Same as Test 1 plus Total Coliform & E. Coli Bacteria (Purity)	_____ Water Sample Submittal Forms	_____ Bottle
3. Irrigation Suitability: Same as Test 1 plus PO4-P, Zn, Cu, B, Lime, SAR, Salinity Hazard, Sodium Hazard	_____ Water Sample Mailing Kit	_____ Time
4. NO3-N plus Total Coliform & E. Coli Bacteria (Purity)	_____ Mineral Water Sample Bottle	_____ Received
5. Total Coliform & E. Coli Bacteria (Purity)	_____ Nitrate-N Water Sample Bottle	_____ Time
6. NO3-N plus SO4-S	_____ Coliform Water Sample Bottle	_____ Started
7. NO3-N	_____ Heavy Metal Water Sample Bottle	_____ ARS
Individual (see back)	_____ Small Shipping Boxes	_____ MRL
	_____ ARS / UPS Labels	_____ None
	_____ MRL / USPS Labels	
	_____ Pre-addressed Labels	

SUBMIT WHITE COPY WITH SAMPLES AND RETAIN PINK COPY FOR YOUR FILES  
PLEASE REFER TO BACK FOR DIRECTIONS FOR COLLECTING WATER SAMPLES

## KEY FOR WATER SAMPLE TESTS

Alk	Alkalinity	Na	Sodium
B	Boron	Na Hazard	Sodium Hazard Irrigation Water
Ca	Calcium	NH4-N	Nitrogen as ammonium-N
Cl	Chloride	NO2-N	Nitrogen as nitrite-N
Cl2	Residual Chlorine	NO3-N	Nitrogen as nitrate-N
CO3	Carbonate	pH	pH
Cu	Copper	PO4-P	Phosphorus as phosphate-P
DO	Dissolved Oxygen	Purity	Total Coliform & E. Coli Bacteria in Drinking Water
EC	Electrical Conductivity	Sal Hazard	Salinity Hazard Irrigation Water
F	Fluoride	SAR	Sodium Absorption Ration
Fe	Iron	SAR adj	Sodium Absorption Ration Adjusted
Hardness	Hardness	SO4-S	Sulfur as Sulfate-S
HCO3	Bicarbonate	TDS	Total Dissolved Solids
I	Iodine	TKN	Nitrogen as Total Kjeldahl N
K	Potassium	Total P	Phosphorus as Total P
Lime	Lime as CaCO3 Equivalent	Total S	Sulfur as Total S
Mg	Magnesium	Turb	Turbidity
Mn	Manganese	Zn	Zinc

## DIRECTIONS FOR COLLECTING WATER SAMPLES

1. Three sterile bottles are provided for analyzing a water sample. DO NOT rinse the bottles before filling. The bottle with the BLUE LABEL must be used for the coliform bacteria (purity) test. This bottle contains sodium thiosulfate powder. The bottle with the RED LABEL must be used for the nitrate test only and contains a small amount of concentrated sulfuric acid (please avoid skin contact). The bottle with the GREEN LABEL is used for all other tests excluding coliform bacteria (purity) and nitrate. Please fill all bottles to the top with the water sample.
2. Obtain the sample from the faucet normally used for drinking purposes. Allow water to run through the faucet for 5-10 minutes before filling the sample bottle.
3. Irrigation wells should be sampled during the middle of the irrigation season.
4. Water samples should be sent to the laboratory immediately after collection. The coliform bacteria and E. coli tests must be started within 30 hours after the sample is collected. When these tests are requested, please send the water sample in the box provided to the laboratory via USPS, UPS, FedEx, or similar delivery service to ensure the sample arrives at the laboratory within this 30 hour time requirement. Samples should arrive at the lab on Tuesday through Thursday if sent by UPS or USPS. To avoid a fee surcharge, do not send water samples to the laboratory on Friday, Saturday, or Sunday. Samples can be brought to the lab on Monday through Thursday if personally delivered. Please provide the lab with the requested information on the reverse side of this form.
5. Olsen's Laboratory is certified by the Nebraska Department of Health and Human Services to test public and private water samples for total coliform and E. coli and to test private water samples for nitrate.