



Olsen's Agricultural Laboratory, Inc.

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Special Sampling and Handling Requirements for Water, Wastewater, and Manure (solid or liquid) Samples

Analyte	Sample Container	Size, ml	Preservation	Holding Time
Ammonia	Plastic	100	H ₂ SO ₄ to pH <2, refrigerate	28 days
Alkalinity	Plastic	100	Refrigerate	14 days
BOD/c-BOD	Plastic	1000	Refrigerate	48 hours
Boron	Plastic	100	None	6 months
COD	Plastic	1000	H ₂ SO ₄ to pH <2, refrigerate	28 days
Chloride	Plastic	100	None	28 days
Coliform Bacteria	Plastic	100	Sterile bottle from lab	30 hours
Conductivity	Plastic	100	Refrigerate	28 days
Cyanide	Plastic	1000	NaOH to pH >12	14 days
Flouride	Plastic	100	None	28 days
Hardness	Plastic	100	HNO ₃ to pH <2	6 months
Metals	Plastic	100	HNO ₃ to pH <2	6 months
Nitrate	Plastic	100	Refrigerate	48 hours
Nitrate + Nitrite	Plastic	100	H ₂ SO ₄ to pH <2, refrigerate	28 days
Oil and Grease	Glass	1000	HCl to pH <2, refrigerate	28 days
Pesticides	Glass, TFE Cap	1000	Refrigerate	7 days
pH	Plastic	100	Refrigerate	48 hours
Solids (TSS, TDS)	Plastic	1000	Refrigerate	7 days
Sulfate	Plastic	100	Refrigerate	7 days
Total Nitrogen	Plastic	1000	H ₂ SO ₄ to pH <2, refrigerate	28 days

*Sample bottles are available from the laboratory at no charge.
Sterile bottles must be used for water analysis to obtain valid results.
Please call the laboratory to order these bottles.*