

# ReadySnap™

Revision 04/22/13  
480901 Ready Snap™ 1

# 1

Method Verification Standard

## Instruction Manual

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**USE WITH THE EXACT® MICRO PHOTOMETERS\*  
TO VERIFY INSTRUMENT PERFORMANCE**

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\*This includes models Micro 7+, Micro 8, Micro 10, Micro 20, LeadQuick, and Eco-Check.



**Industrial Test Systems, Inc.**

Innovators of Water Quality Testing

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**Follow the procedure below for the test you are running. If you get the acceptable result using the Ready Snap™ solution, then you can be confident that the reagent, you, and the photometer are working correctly as a system.**



**1**

**1.** Turn on the eXact® Micro 10 (M10) Photometer, rinse CELL three times with clean water, and empty CELL.



**2**

**2.** Break open one Ready Snap™ 1 Method Verification Standard in a safe manner with a paper towel as shown (see *Images 1 and 2*).  
NOTE: Do not break open at pool side or around children or pets.  
**DO NOT CONSUME THE STANDARD.**



**3**

**3.** Take the supplied plastic pipette, squeeze bulb with finger and thumb to expel air, and dip pipette tip to the bottom of ampoule. Release the squeezed bulb to slowly fill the pipette (see *Image 3*). Transfer liquid in the pipette to photometer CELL (see *Image 4*).



**4**

**4.** Discard this first liquid sample followed with a quick shake of the meter to empty the CELL of the remaining water drops.



**5**

**5.** Repeat Step 3 and fill the CELL to 4ml capacity (see image 4).

**6.** Select the MENU for the test method procedure you want verified.

**7.** Run the test method as you do normally using the correct procedure (see Image 5 and refer to photometer manual).

**8.** Verify the display value against the Assigned Value chart provided on back of this sheet.

**9.** If your value is within the Acceptable range, then you are operating the eXact® Micro 10 (M10) Photometer correctly for this MENU test method.

**10.** If your value is borderline, review the Instruction Manual and the proper procedure. Repeat the test again from Step 1 through Step 9.

Assigned Values for READY SNAP 1 (lot 513) solution:

Menu Item	Parameter Test	Desired Value	Acceptable Value	Borderline Value
AL1	(TOTAL ALKALINITY)	149PPM	140-160	130-170
PH2	(pH)	7.5	7.3-7.7	7.2-7.8
CL3	(FREE CHLORINE)	<0.10		
PO4	(PHOSPHATE)	1.00PPM	0.80-1.20	0.70-1.30
CA5	(CALCIUM as CaCO3)	58PPM	40-80	30-90
TH5	(Total Hardness as CaCO3)	130PPM	110-150	100-180
CH6	(Chloride as NaCl)	91PPM	70-110	60-120
CY7	(CYANURIC ACID)	88PPM	35-60	25-95
CU	(COPPER as Cu+2)	0.36PPM	0.30-0.42	0.28-0.48
NH4	(Ammonia)	<0.05 PPM		
NH4	(Ammonia)	25.0 PPM	18.0-29.0	13.0-38
NO3	(NITRATE)	0.25PPM		
Mn7	(Mn +2 Metals Mn, Cu, Zn, etc.)	0.08PPM		
Mn7	(Mn +2 Metals Mn, Cu, Zn, etc.)	0.08PPM	0.14-0.23	0.12-0.28
AL3	(Aluminum)	0.18PPM	0.13-0.22	0.11-0.24
CR6	(Chromium VI)	0.17PPM		
F	(Fluoride)	0.31PPM		
SO4	(Sulfate)	50PPM	35-65	30-70

**6**

**NOTE:**  
CA5 test  
verified  
result  
was 56

## Assigned Value Chart for READY SNAP™ 1 (lot 513) Solution:

Menu Item	Parameter Test	Desired Value	Acceptable Range	Borderline Range
AL1*	Total Alkalinity	137 ppm	125-175	105-195
PH2*	pH	7.4	7.2-7.6	7.1-7.7
PO4*	Phosphate	0.84 ppm	0.70-1.10	0.60-1.20
CA5*	Calcium as CaCO <sub>3</sub>	57 ppm	47-77	37-87
TH5	Total Hardness as CaCO <sub>3</sub>	130 ppm	110-150	100-160
CH6*	Chloride as NaCl (÷2 for M20)	270 ppm	240-300	220-320
CY7*	Cyanuric Acid	78 ppm	68-88	58-98
CU8*	Copper as Cu <sup>+2</sup>	0.33 ppm	0.28-0.38	0.23-0.43
NO3	Nitrate	21 ppm	18-24	16-26
Mn7	all +2 Metals Mn, Cu, Zn, etc	0.55 ppm	0.45-0.60	0.40-0.65
Mn7	Manganese	0.06 ppm	0.04-0.08	0.03-0.09
AL3	Aluminum	0.20 ppm	0.17-0.23	0.15-0.25
CR6	Chromium VI	0.17 ppm	0.13-0.22	0.11-0.23
F	Fluoride	0.33 ppm	0.28-0.39	0.26-0.43
SO4	Sulfate	50 ppm	40-60	35-65
PB2	Lead as Pb <sup>+2</sup>	82 ppb	70-90	60-100
TDS	Total Dissolved Solids (504µS)	245 ppm as NaCl		

NOTE: Values reflect current concentrations as found at time of manufacture.

R042213

\*These tests are available as Direct Read Parameters in the M10 Photometer.

Other tests can be performed in M20 or LeadQuick Photometers.

Ready Snap™ 2 Method Verification Standard is available for verification of Ammonia, Arsenic, Iron, and Manganese.

## Contact Information

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