

COLOR COMPARISON TEST

Phosphate (0- ≥ 1000 ppb)

Instr. #5434

COMPONENTS:

1 x 4025	Test Cell, Calibrated (5 mL), plastic
1 x 5434	Color Card Comparator/Instruction
1 x R-0007-A	Thiosulfate N/10, .75 oz., DB
1 x R-0980-A	Phosphate Reagent #1, .75 oz., DB*
1 x R-0981-A	Phosphate Reagent #2, .75 oz., DB

TO ORDER REPLACEMENT PARTS AND REAGENTS CALL TOLL-FREE
800-TEST KIT (800-837-8548).

PROCEDURE:

**CAREFULLY READ AND FOLLOW PRECAUTIONS ON REAGENT LABELS.
KEEP REAGENTS AWAY FROM CHILDREN.**

NOTE: When dispensing reagents from dropper bottles, **always** hold bottle in a vertical position.

Phosphate Test

1. Rinse and fill 5 mL test cell to 5 mL mark with water to be tested.
2. Add 5 drops R-0980 Phosphate Reagent #1. Cap and mix thoroughly.
WAIT 2 MINUTES.
3. Carefully remove cap. Add 1 drop R-0007 Thiosulfate N/10 and 1 drop R-0981 Phosphate Reagent #2. Cap and mix thoroughly. WAIT EXACTLY 1 MINUTE.
4. Within the next minute, match color in test cell with the closest color on color chart. While holding Color Card Comparator (#5434) flat, place the bottom of the test cell in the white area with the broadside facing you (refer to diagram). Hold test cell by the flanges (to prevent fingers from shadowing color development) and match color in test cell with a color standard by looking down through the solution. Record as parts per billion (ppb) phosphate (PO_4^{3-}).

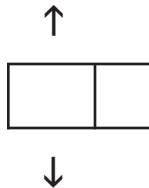
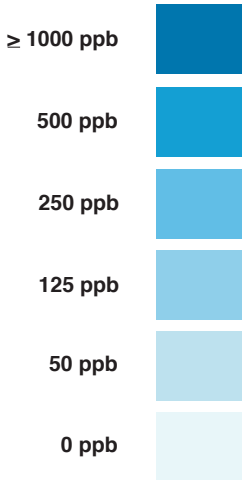
NOTE: To inhibit algae growth, water treatment is recommended at phosphate concentrations above 125 ppb.

*WARNING: Phosphate Reagent #1 (R-0980) contains a strong acid.
Avoid contact with skin, eyes, or clothing.

(OVER)

Phosphate Color Chart

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31 Loveton Circle, Sparks, MD 21152 USA
800-TEST KIT (837-8548) • 410-472-4340
www.taylor technologies.com